FCC TEST REPORT

according to

FCC Rules and Regulations

Part 15 Subpart C

Applicant	Globlink Technology Inc.
Address	2F 101 Rui-Hu Street, Nei-Hu, Taipei, Taiwan
Equipment	Keyboard with Optical Trackball
Model No.	GKM-888T
FCC ID	OR7GKM888T
Trade Name	Globlink, hama, Targus, perixx, ceratech, deltaco, commtel, ibertronica, Pearl, cdc,

Laboratory Accreditation

CNLA

1332

- The test result refers exclusively to the test presented test model / sample.,
- Without written approval of ***E**xclusive **C**ertification **C**orp.* the test report shall not be reproduced except in full.
- The EUT is also considered as a kind of computer peripheral, because the connection to computer is necessary for typical use. It has been verified to comply with the requirements of FCC Part 15, Subpart B, Class B (DoC). The test report has been issued separately.

Contents

CERTIFICATE OF COMPLIANCE

according to

FCC Rules and Regulations

Part 15 Subpart C

Applicant	Globlink Technology Inc.
Address	2F 101 Rui-Hu Street, Nei-Hu, Taipei, Taiwan
Equipment	Keyboard with Optical Trackball
Model No.	GKM-888T
FCC ID	OR7GKM888T

I **HEREBY** CERTIFY THAT :

The measurements shown in this test report were made in accordance with the procedures given in **ANSI C63.4** The equipment was ***passed*** the test performed according to **FCC Rules and Regulations Part 15 Subpart C (2003).**

The test was carried out on Nov. 07, 2006 at ***E**xclusive **C**ertification **C**orp.*

Signature

Anson Chou / Manager

1. Report of Measurements and Examinations

1.1 List of Measurements and Examinations

FCC Rule	. Description of Test	Result
15.203	. Antenna Requirement	Pass
15.207	. AC Power Line Conducted Emission	N/A
15.249	. Maximum Carrier Field Strength	Pass
15.249	. Band Edges Emission	Pass
15.209/15.249	. Spurious Radiated Emission	Pass

2. Test Configuration of Equipment under Test

2.1 Feature of Equipment under Test

- 2.4GHz ISM band radio frequency
- 8 channels with 4096 IDs avoid interference.
- Operating distance up to 50 feet (15 meters)
- Patented optical trackball
- Advanced power saving management
- Error detection ability
- Multimedia, Internet and Office hot keys
- Fold-down feet provides keyboard tilt for typing
- Windows 98SE/ME/2000/XP compatible
- MAC OS X (10.2 compatible and later edition)
- CE & FCC approvals
- Dimension: 400 (L) x 180 (W) x 38 (H) mm

2.2 RF Specifications

Modulation Type:	GFSK
Number of Channel:	8
Frequency Band:	2423MHz ~ 2477MHz
Channel Bandwidth:	1MHz
Antenna Type:	Printed Antenna
Carrier Frequencies	Channel 01: 2423MHz Channel 02: 2431MHz Channel 03: 2439MHz Channel 04: 2447MHz Channel 05: 2453MHz Channel 06: 24611MHz Channel 07: 2469MHz Channel 08: 2477MHz

2.3 Test Mode and Test Software

The following test mode and test software was performed for conduction and radiation test:

- 802.11b (CH LO: 2423MHz)
- 802.11b (CH MID: 2447MHz)
- 802.11b (CH HI: 2477MHz)

2.4 Description of Test System

Device	Manufacturer	Model No.	Description
Notebook (Remote Workstation)	DELL	510m	Power Cable, Adapter Unshielding 1.8 m
Receiver (Remote Workstation)	Globlink	GKM-888T	N/A

2.5 Connection Diagram of Test System

2.6 General Information of Test

Test Site:	Exclusive Certification Corp. 4F-2, No. 28, Lane 78, Xing-Ai Rd. Nei-hu, Taipei City 114 Taiwan R.O.C.
Test Site Location (OATS1-SD):	No.68-1, Shihbachongsi, shihding Township, Taipei City 223, Taiwan, R.O.C.
FCC Registration Number	632249
Test Voltage:	DC 3V
Test in Compliance with:	ANSI C63.4-2003 FCC Part 15 Subpart C
Frequency Range Investigated:	Conducted: from 150kHz to 30 MHz Radiation: from 30 MHz to 24770MHz
Test Distance:	The test distance of radiated emission from antenna to EUT is 3 M.

2.7 History of this test report

ORIGINAL.

3. Antenna Requirements

3.1 Standard Applicable

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

3.2 Antenna Construction and Directional Gain

Antenna type: Printed Antenna

Antenna Gain: 0 dBi.

4. Test of Conducted Emission

4.1 Test Limit

Conducted Emissions were measured from 150 kHz to 30 MHz with a bandwidth of 9 KHz on the 120 VAC power and return leads of the EUT according to the methods defined in ANSI C63.4-2003 Section 3.1. The EUT was placed on a nonmetallic stand in a shielded room 0.8 meters above the ground plane as shown in section 2.2. The interface cables and equipment positioning were varied within limits of reasonable applications to determine the position produced maximum conducted emissions.

Frequency (MHz)	Quasi Peak (dB μ V)	Average (dB μ V)
0.15 – 0.5	66-56*	56-46*
0.5 – 5.0	56	46
5.0 – 30.0	60	50

*Decreases with the logarithm of the frequency.

4.2 Test Procedures

a. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.

b. Connect EUT to the power mains through a line impedance stabilization network (LISN).

c. All the support units are connecting to the other LISN.

d. The LISN provides 50 ohm coupling impedance for the measuring instrument.

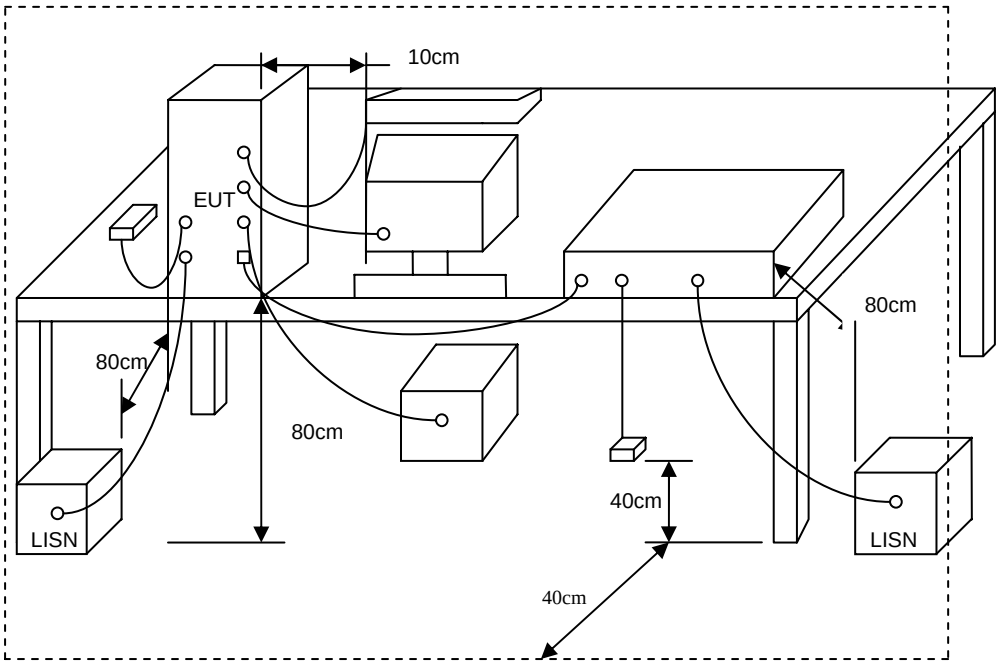
e. The FCC states that a 50 ohm, 50 micro-Henry LISN should be used.

f. Both sides of AC line were checked for maximum conducted interference.

g. The frequency range from 150 kHz to 30 MHz was searched.

h. Set the test-receiver system to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

4.3 Typical Test Setup



4.4 Measurement equipment

Instrument/Ancillary	Model No.	Manufacturer	Serial No.	Calibration Date	Valid Date.
Receiver	ESCI	R&S	100443	2006/09/20	2007/09/19
LISN	NNB-2/16Z	MESS TEC	02/10191	2006/03/31	2007/03/30
LISN	NNB-2/16Z	ROLF HEINE	03/10058	2006/04/27	2007/04/26

4.5 Test Result and Data

It is not required to test the item because the EUT is powered by batteries.

5. Test of Radiated Emission

5.1 Test Limit

Radiated emissions from 30 MHz to 25 GHz were measured according to the methods defines in ANSI C63.4-2003. The EUT was placed, 0.8 meter above the ground plane, as shown in section 5.6.3. The interface cables and equipment positions were varied within limits of reasonable applications to determine the positions producing maximum radiated emissions

For unintentional device, according to § 15.109(a), except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

Frequency (MHz)	Distance Meters	Radiated (μ V / M)	Radiated (dB μ V/ M)
30-88	3	100	40.0
88-216	3	150	43.5
216-960	3	200	46.0
Above 960	3	500	54.0

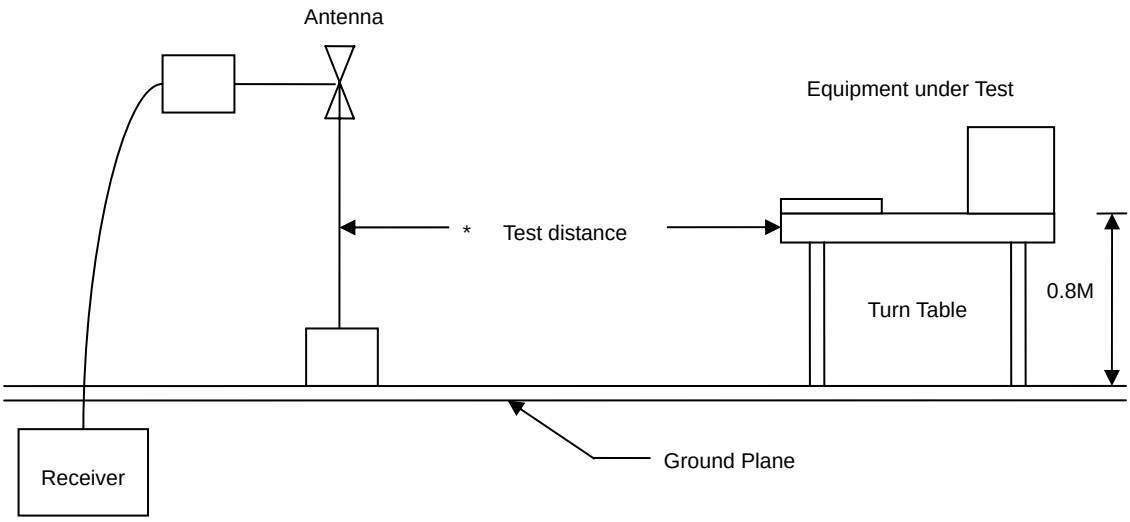
For unintentional device, according to CISPR PUB.22, for Class B digital devices, the general requirement of field strength of radiated emissions from intentional radiators at a distance of 10 meters shall not exceed the above table.

Frequency (MHz)	Distance Meters	Radiated (dB μ V/ M)
30-230	10	30
230-1000	10	37

5.2 Test Procedures

1. The EUT was placed on a rotatable table top 0.8 meter above ground.
2. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest radiation.
4. The antenna is a broadband antenna and its height is varied between one meter and four meters above ground to find the maximum value of the field strength both horizontal polarization and vertical polarization of the antenna are set to make the measurement.
5. For each suspected emission the EUT was arranged to its worst case and then tune the antenna tower (from 1 M to 4 M) and turn table (from 0 degree to 360 degrees) to find the maximum reading.
6. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function and specified bandwidth with Maximum Hold Mode.
7. If the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method and reported.
8. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

5.3 Typical Test Setup



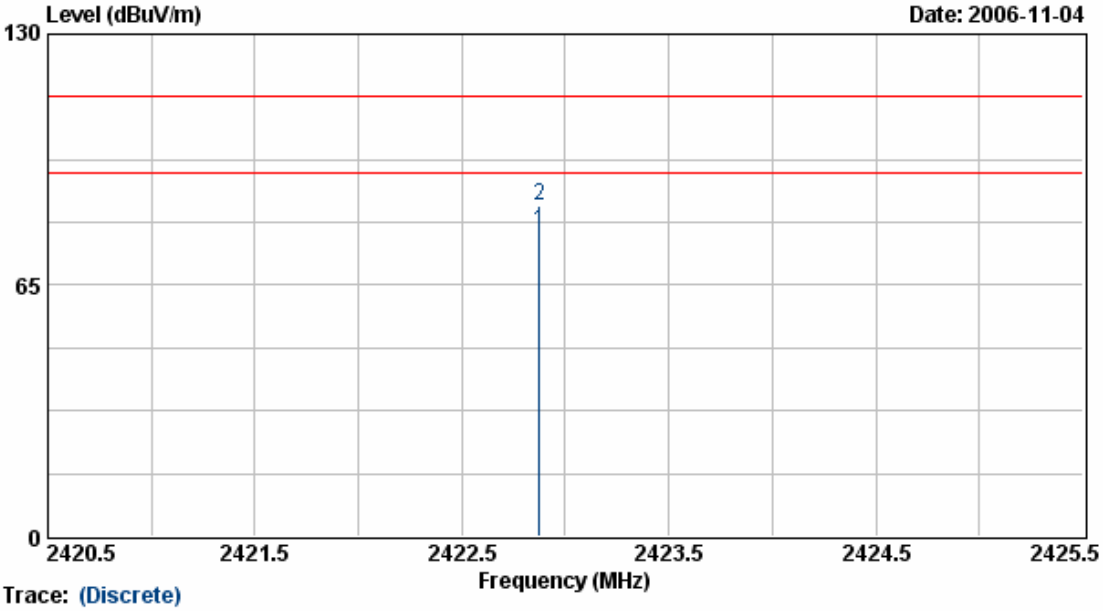
5.4 Measurement equipment

Instrument/Ancillary	Model No.	Manufacturer	Serial No.	Calibration Date	Valid Date
EMI Receiver	8546A	HP	3807A00454	2006/05/12	2007/05/11
Spectrum Analyzer	FSP40	R&S	10047	2006/01/17	2007/01/16
Horn Antenna	3115	EMCO	31589	2006/02/13	2007/02/12
Horn Antenna	3116	EMCO	31970	2006/02/10	2007/02/09
Bilog Antenna	CBL6112B	Schaffner	2840	2006/04/20	2007/04/19
Amplifier	8449B	Agilent	3008A01954	2006/01/09	2007/01/08
Amplifier	8447D	Agilent	2944A10531	2006/01/09	2007/01/08

5.5 Test Result and Data

5.5.1 Test Result and Data of Maximum Carrier Field Strength

EUT	: GKM888T		
Power	: DC 3V	Pol/Phase	: HORIZONTAL
Test Mode	: TX	Temperature	: 25 ℃
Operation Axial	: CH1-Z	Humidity	: 68 %
Memo	:	Atmospheric Pressure	: 1010 hPa



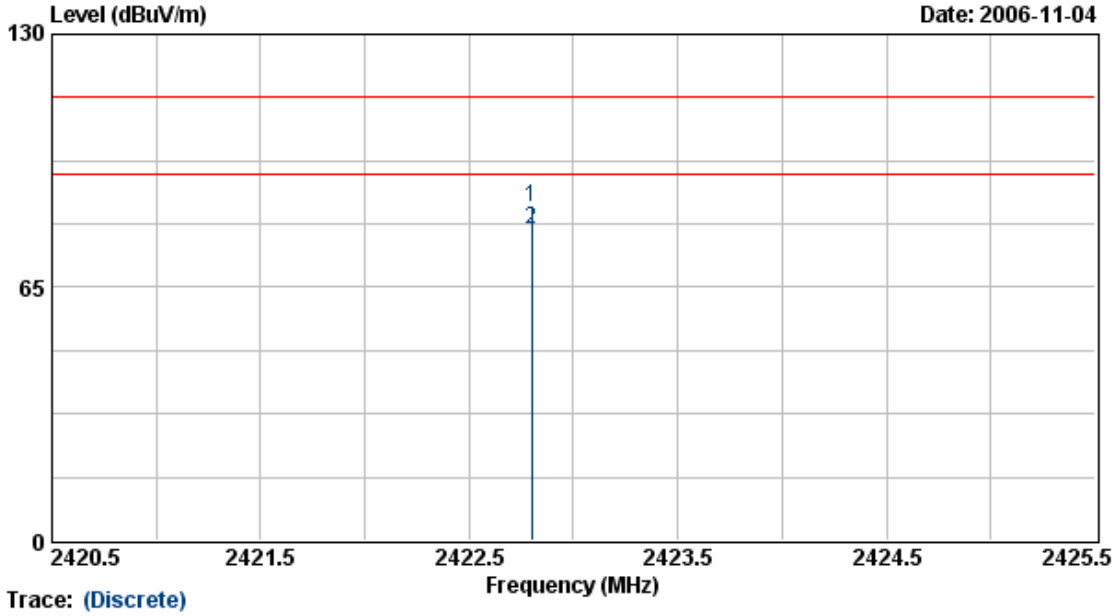
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	2422.88	78.87	0.08	78.95	94.00	-15.05	Average	100	299
2	2422.88	85.62	0.08	85.69	114.00	-28.31	Peak	100	299

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.

EUT	: GKM888T		
Power	: DC 3V	Pol/Phase	: VERTICAL
Test Mode	: TX	Temperature	: 25 ℃
Operation Axial	: CH1-Z	Humidity	: 68 %
Memo	:	Atmospheric Pressure	: 1010 hPa



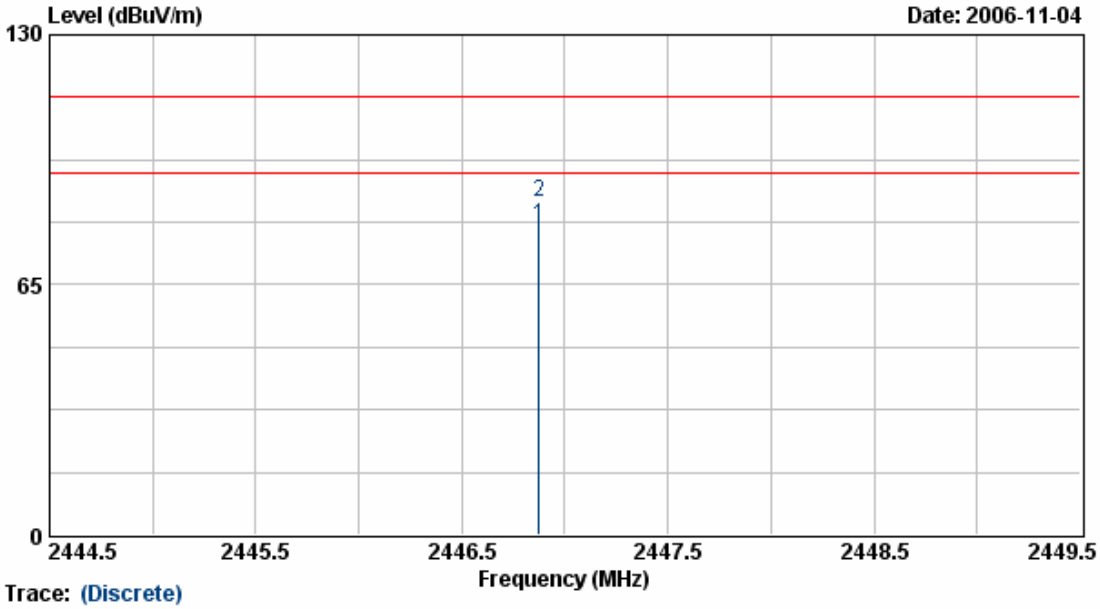
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	2422.80	85.39	0.08	85.46	114.00	-28.54	Peak	100	271
2	2422.80	79.89	0.08	79.97	94.00	-14.03	Average	100	271

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.

EUT	: GKM888T		
Power	: DC 3V	Pol/Phase	: HORIZONTAL
Test Mode	: TX	Temperature	: 25 ℃
Operation Axial	: CH4-Z	Humidity	: 68 %
Memo	:	Atmospheric Pressure	: 1010 hPa



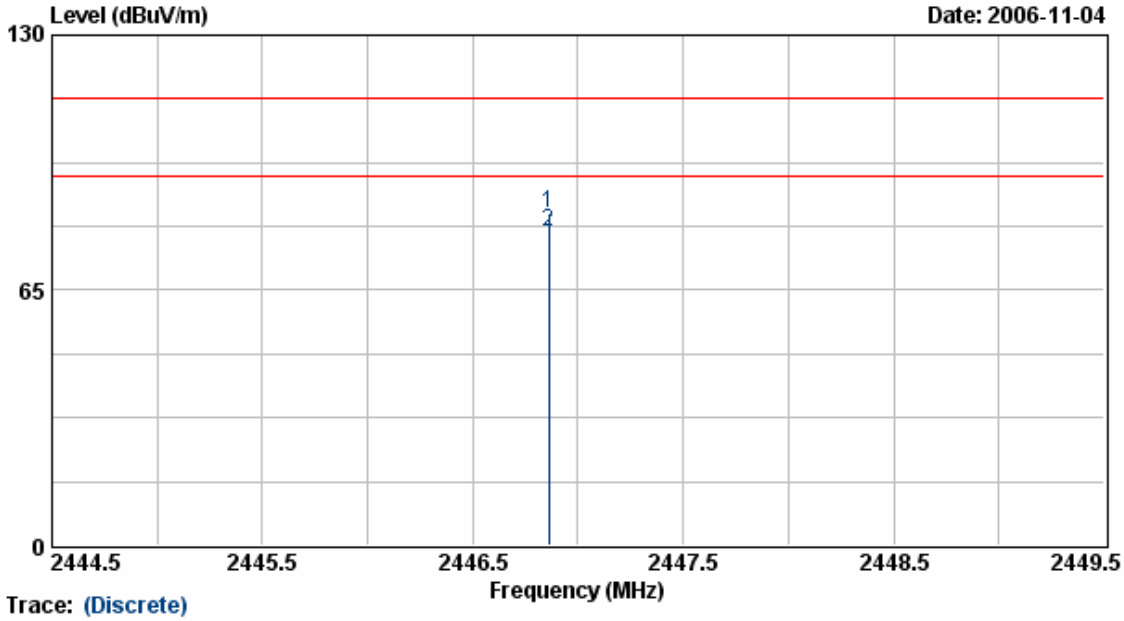
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	2446.88	80.07	0.18	80.25	94.00	-13.75	Average	100	299
2	2446.88	86.10	0.18	86.28	114.00	-27.72	Peak	100	299

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.

EUT	: GKM888T		
Power	: DC 3V	Pol/Phase	: VERTICAL
Test Mode	: TX	Temperature	: 25 ℃
Operation Axial	: CH4-Z	Humidity	: 68 %
Memo	:	Atmospheric Pressure	: 1010 hPa



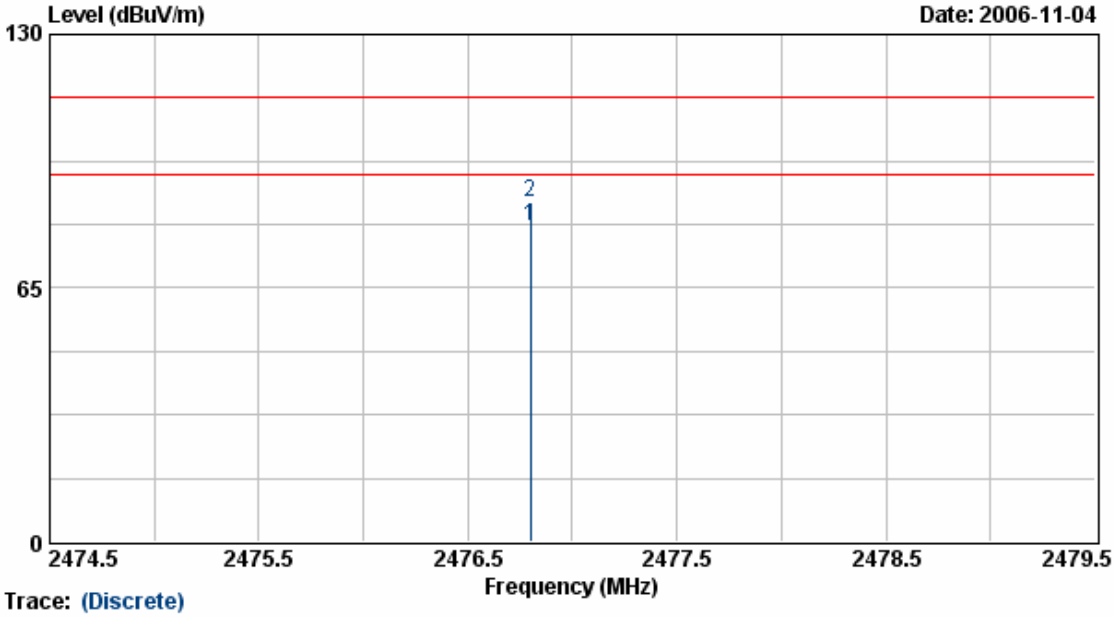
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	2446.86	84.60	0.18	84.78	114.00	-29.22	Peak	100	262
2	2446.86	79.87	0.18	80.05	94.00	-13.95	Average	100	262

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.

EUT	: GKM888T		
Power	: DC 3V	Pol/Phase	: HORIZONTAL
Test Mode	: TX	Temperature	: 25 ℃
Operation Axial	: CH8-Z	Humidity	: 68 %
Memo	:	Atmospheric Pressure	: 1010 hPa

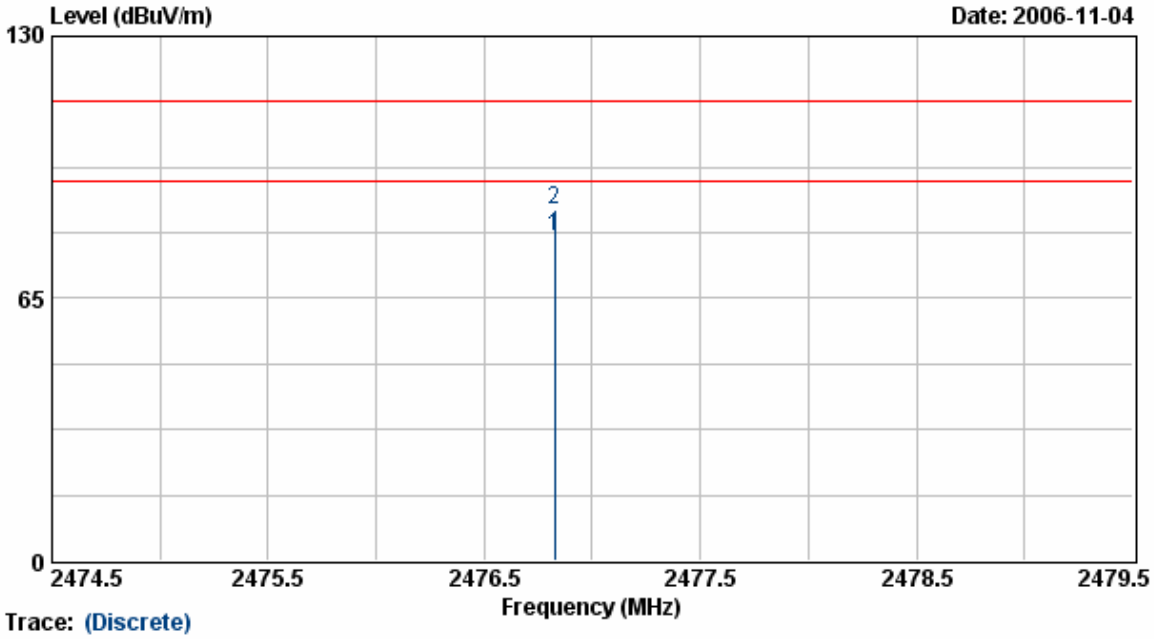


Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	2476.80	80.40	0.30	80.70	94.00	-13.30	Average	100	228
2	2476.80	86.48	0.30	86.78	114.00	-27.22	Peak	100	228

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.

EUT	: GKM888T		
Power	: DC 3V	Pol/Phase	: VERTICAL
Test Mode	: TX	Temperature	: 25 ℃
Operation Axial	: CH8-Z	Humidity	: 68 %
Memo	:	Atmospheric Pressure	: 1010 hPa



Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	2476.83	80.29	0.30	80.60	94.00	-13.40	Average	100	229
2	2476.83	86.65	0.30	86.96	114.00	-27.04	Peak	100	229

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.

5.5.2 Test Result and Data of Band Edges

Test Date: Nov. 04, 2006 Temperature: 25℃ Humidity: 68% Atmospheric pressure: 1010 hPa

a) Channel 1: 2423MHz

Frequency (MHz)	Ant-Pol H/V	Meter Reading	Corrected Factor	Result (dBuV/m)	Remark	Limit@3m (dBuV/m)		Margin (dB)	Table (Deg.)	Ant High (m)
						Peak	Ave.			
2379.156	H	62.24	-0.11	62.13	Peak	74	54	-11.87	302	1.1
2379.156	H	50.63	-0.11	50.52	Ave	74	54	-3.48	302	1.1
2379.156	V	60.74	-0.11	60.64	Peak	74	54	-13.36	266	1.0
2388.422	V	48.42	-0.07	48.35	Ave	74	54	-5.65	266	1.0

b) Channel 8: 2477MHz

Frequency (MHz)	Ant-Pol H/V	Meter Reading	Corrected Factor	Result (dBuV/m)	Remark	Limit@3m (dBuV/m)		Margin (dB)	Table (Deg.)	Ant High (m)
						Peak	Ave.			
2496.021	H	63.83	0.38	64.21	Peak	74	54	-9.79	302	1.1
2492.456	H	51.90	0.37	51.53	Ave	74	54	-3.47	302	1.1
2496.021	V	59.85	0.38	60.23	Peak	74	54	-13.77	226	1.0
2491.237	V	47.51	0.36	47.87	Ave	74	54	-6.13	226	1.0

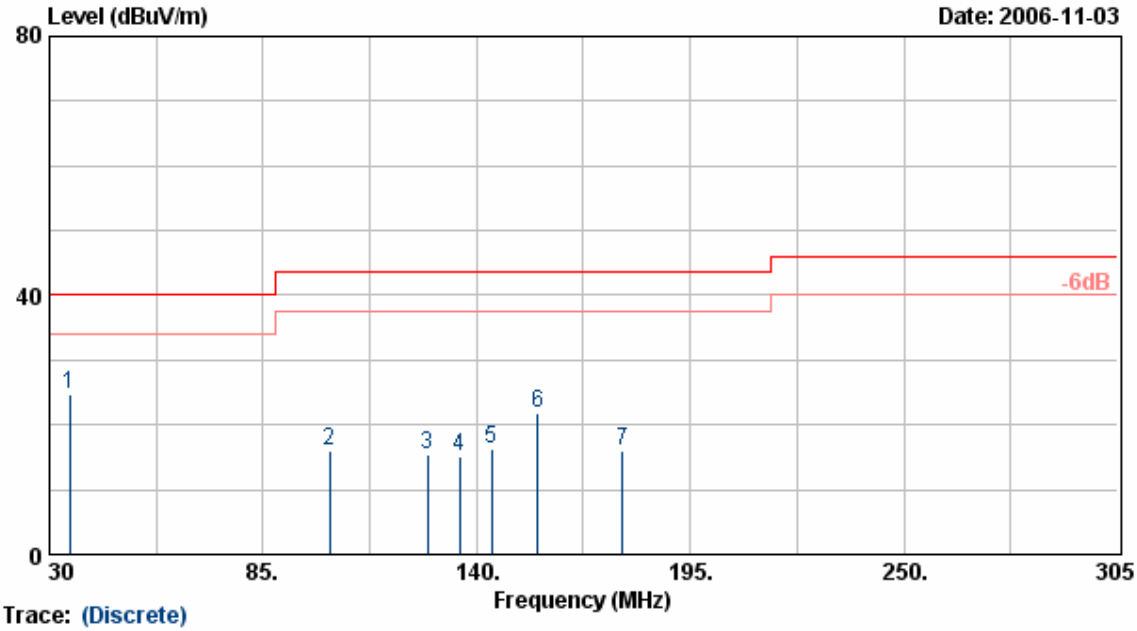
Notes:

1. Result = Meter Reading + Factor
2. Factor = Antenna Factor + Cable Loss – Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth is 3 MHz for Peak detection at frequency above 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz

5.5.3 Test Result and Data of Spurious emission

Below 1GHz:

EUT	: GKM888T		
Power	: DC 3V	Pol/Phase	: HORIZONTAL
Test Mode	: TX	Temperature	: 25 ℃
Operation Axial	: X	Humidity	: 68 %
Memo	:	Atmospheric Pressure	: 1010 hPa



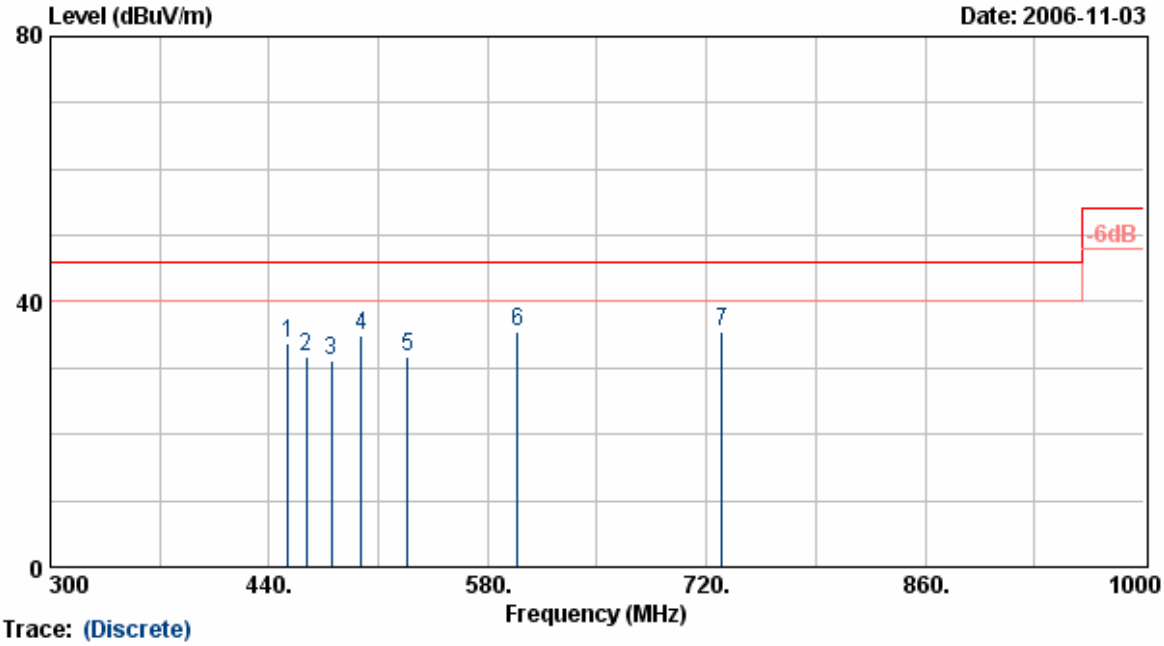
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	35.23	42.79	-18.06	24.72	40.00	-15.28	Peak	100	197
2	102.05	48.95	-32.92	16.03	43.50	-27.47	Peak	100	207
3	127.35	45.59	-30.13	15.46	43.50	-28.04	Peak	100	233
4	135.60	44.38	-29.16	15.22	43.50	-28.28	Peak	100	218
5	143.85	43.52	-27.15	16.37	43.50	-27.13	Peak	100	210
6	155.68	50.92	-29.12	21.80	43.50	-21.70	Peak	100	267
7	177.68	47.38	-31.43	15.95	43.50	-27.55	Peak	100	244

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.

EUT	: GKM888T		
Power	: DC 3V	Pol/Phase	: HORIZONTAL
Test Mode	: TX	Temperature	: 25 ℃
Operation Axial	: X	Humidity	: 68 %
Memo	:	Atmospheric Pressure	: 1010 hPa



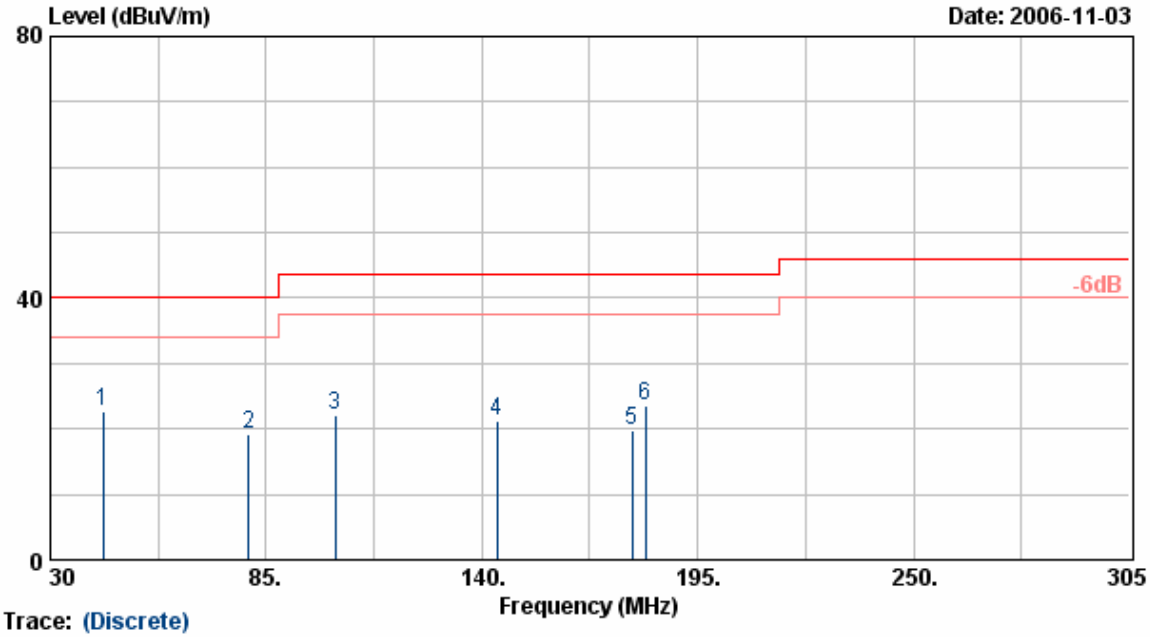
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	451.90	53.48	-19.76	33.71	46.00	-12.29	Peak	100	223
2	463.80	49.85	-18.25	31.60	46.00	-14.40	Peak	100	226
3	479.90	50.46	-19.29	31.17	46.00	-14.83	Peak	100	196
4	498.80	51.96	-16.95	35.00	46.00	-11.00	Peak	100	186
5	528.90	45.76	-13.92	31.84	46.00	-14.16	Peak	100	172
6	598.90	49.10	-13.48	35.62	46.00	-10.38	Peak	100	201
7	729.80	52.46	-16.83	35.63	46.00	-10.37	Peak	100	212

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.

EUT	: GKM888T		
Power	: DC 3V	Pol/Phase	: VERTICAL
Test Mode	: TX	Temperature	: 25 ℃
Operation Axial	: X	Humidity	: 68 %
Memo	:	Atmospheric Pressure	: 1010 hPa



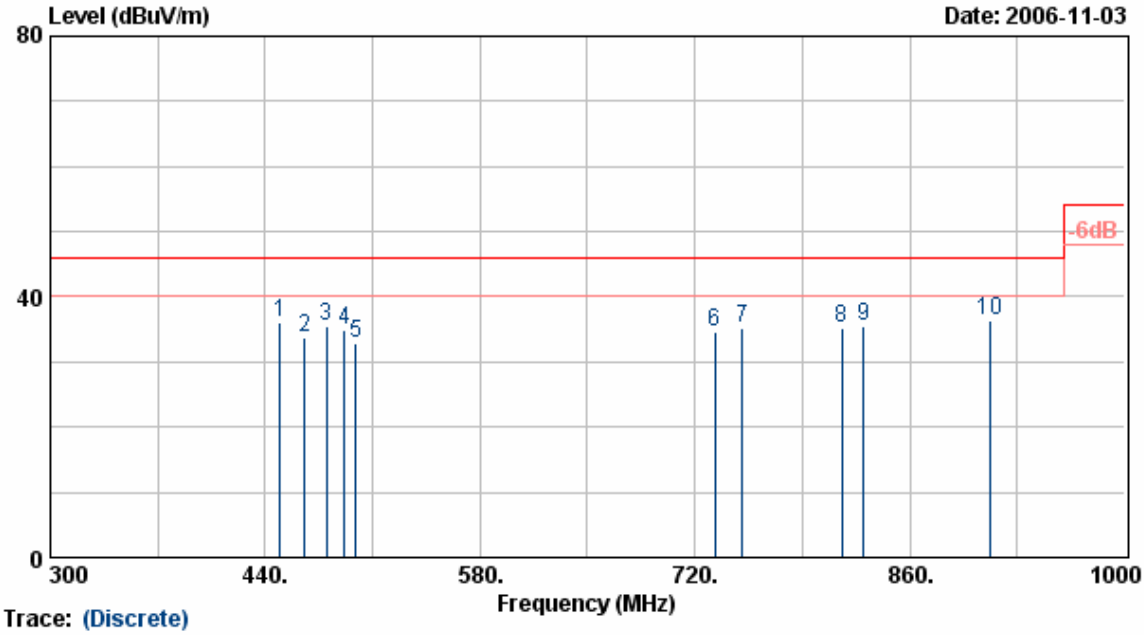
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	43.48	43.82	-21.11	22.71	40.00	-17.29	Peak	100	167
2	80.60	44.43	-25.30	19.14	40.00	-20.86	Peak	100	178
3	102.60	47.99	-25.86	22.13	43.50	-21.37	Peak	100	186
4	143.85	43.27	-22.10	21.17	43.50	-22.33	Peak	100	173
5	178.23	43.19	-23.40	19.79	43.50	-23.71	Peak	100	231
6	181.80	46.18	-22.65	23.53	43.50	-19.97	Peak	100	211

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.

EUT	: GKM888T		
Power	: DC 3V	Pol/Phase	: VERTICAL
Test Mode	: TX	Temperature	: 25 ℃
Operation Axial	: X	Humidity	: 68 %
Memo	:	Atmospheric Pressure	: 1010 hPa



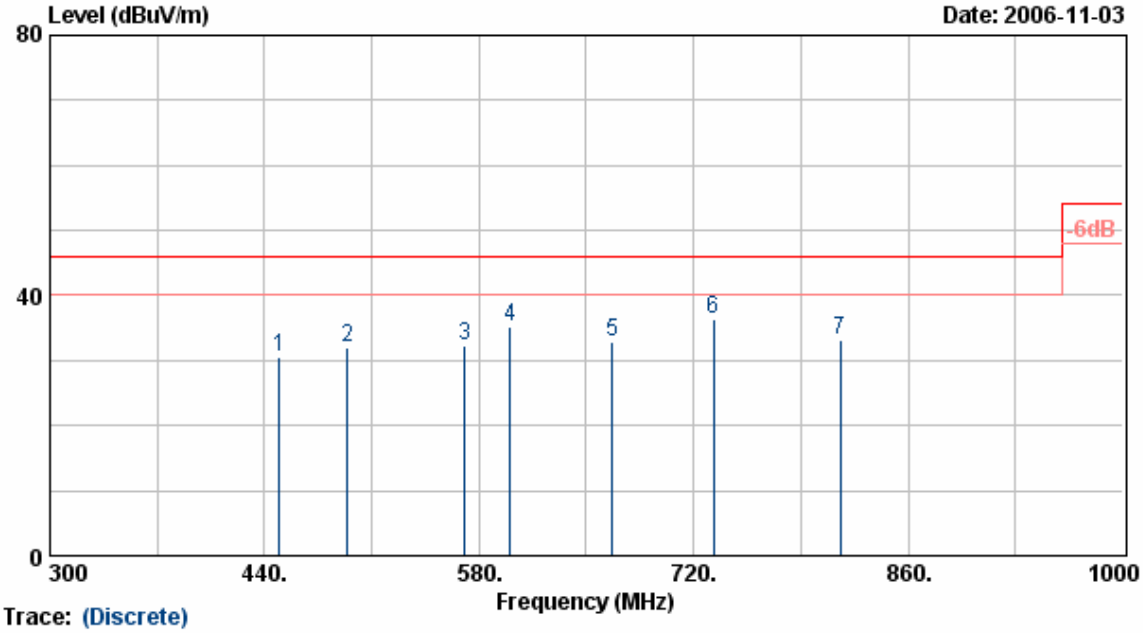
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	449.80	56.70	-20.55	36.15	46.00	-9.85	Peak	100	117
2	465.90	50.65	-16.76	33.89	46.00	-12.11	Peak	100	163
3	479.90	51.73	-16.37	35.36	46.00	-10.64	Peak	100	178
4	491.80	51.28	-16.25	35.04	46.00	-10.96	Peak	100	197
5	498.80	48.09	-15.18	32.91	46.00	-13.09	Peak	100	207
6	733.30	48.21	-13.56	34.65	46.00	-11.35	Peak	100	203
7	750.80	48.00	-12.73	35.27	46.00	-10.73	Peak	100	187
8	815.90	46.13	-10.92	35.22	46.00	-10.78	Peak	100	206
9	829.90	48.65	-13.30	35.35	46.00	-10.65	Peak	100	167
10	911.80	43.64	-7.40	36.25	46.00	-9.75	Peak	100	116

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.

EUT	: GKM888T		
Power	: DC 3V	Pol/Phase	: HORIZONTAL
Test Mode	: TX	Temperature	: 25 ℃
Operation Axial	: Y	Humidity	: 68 %
Memo	:	Atmospheric Pressure	: 1010 hPa



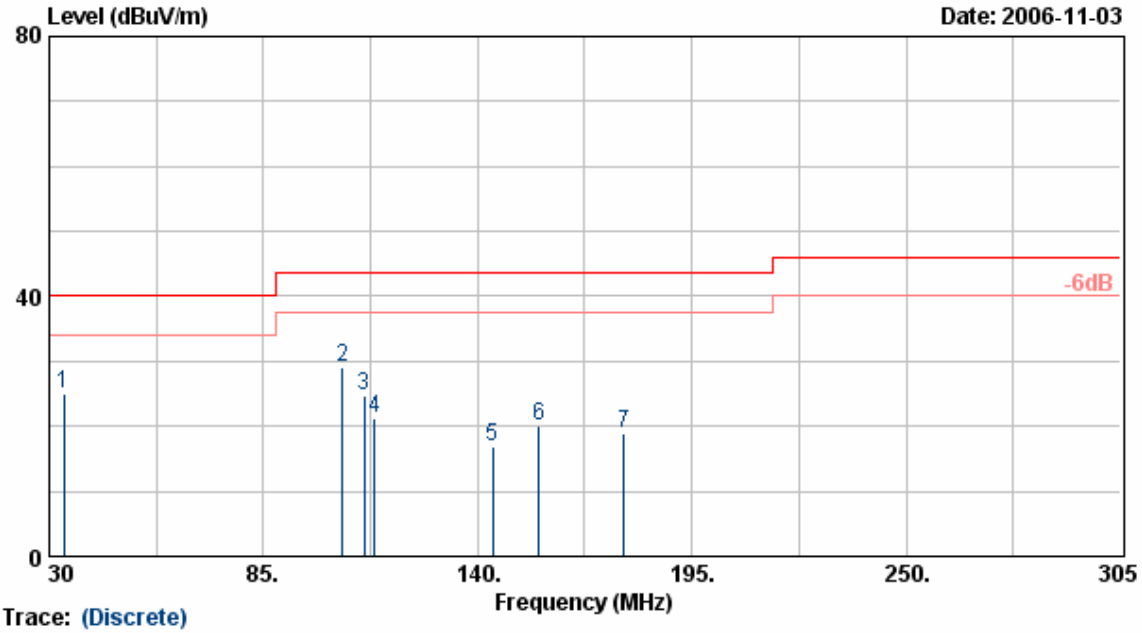
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	449.80	50.47	-19.95	30.52	46.00	-15.48	Peak	100	213
2	493.90	49.58	-17.48	32.10	46.00	-13.90	Peak	100	183
3	570.90	46.66	-14.26	32.41	46.00	-13.59	Peak	100	175
4	600.30	48.71	-13.44	35.27	46.00	-10.73	Peak	100	153
5	666.80	48.53	-15.77	32.76	46.00	-13.24	Peak	100	144
6	733.30	52.88	-16.57	36.31	46.00	-9.69	Peak	100	182
7	815.90	46.69	-13.38	33.30	46.00	-12.70	Peak	100	207

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.

EUT	: GKM888T		
Power	: DC 3V	Pol/Phase	: HORIZONTAL
Test Mode	: TX	Temperature	: 25 ℃
Operation Axial	: Y	Humidity	: 68 %
Memo	:	Atmospheric Pressure	: 1010 hPa



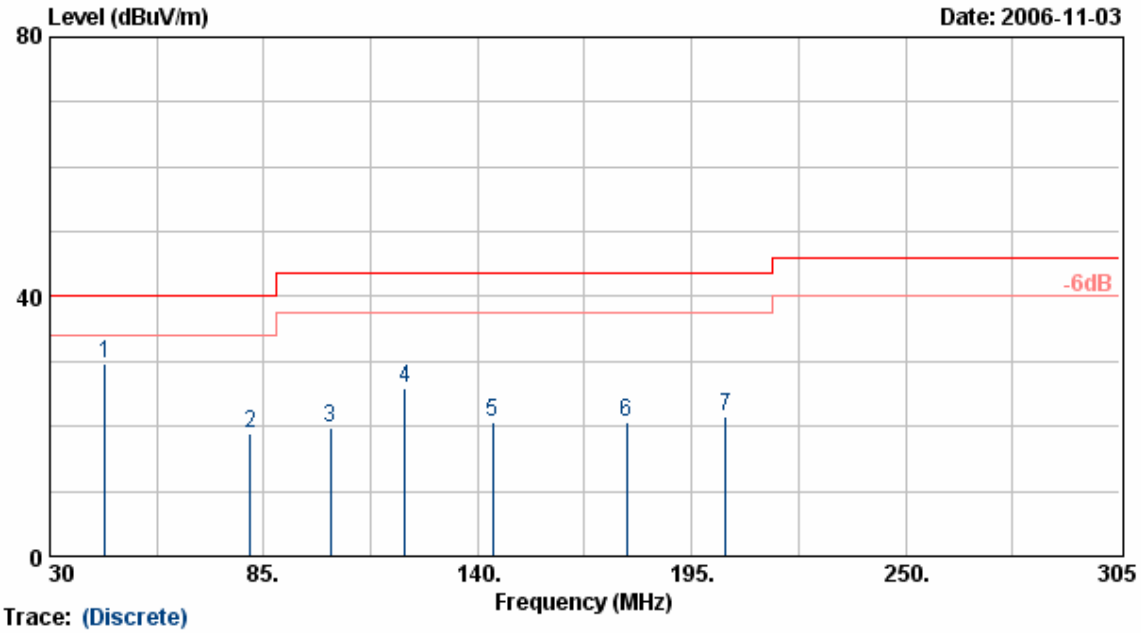
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	33.85	43.06	-17.96	25.10	40.00	-14.90	Peak	100	254
2	105.35	61.98	-32.94	29.04	43.50	-14.46	Peak	100	226
3	110.85	57.72	-32.92	24.80	43.50	-18.70	Peak	100	214
4	113.60	53.99	-32.78	21.22	43.50	-22.28	Peak	100	226
5	143.85	43.95	-27.15	16.80	43.50	-26.70	Peak	100	173
6	155.68	49.32	-29.12	20.20	43.50	-23.30	Peak	100	147
7	177.68	50.24	-31.43	18.80	43.50	-24.70	Peak	100	166

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.

EUT	: GKM888T		
Power	: DC 3V	Pol/Phase	: VERTICAL
Test Mode	: TX	Temperature	: 25 ℃
Operation Axial	: Y	Humidity	: 68 %
Memo	:	Atmospheric Pressure	: 1010 hPa



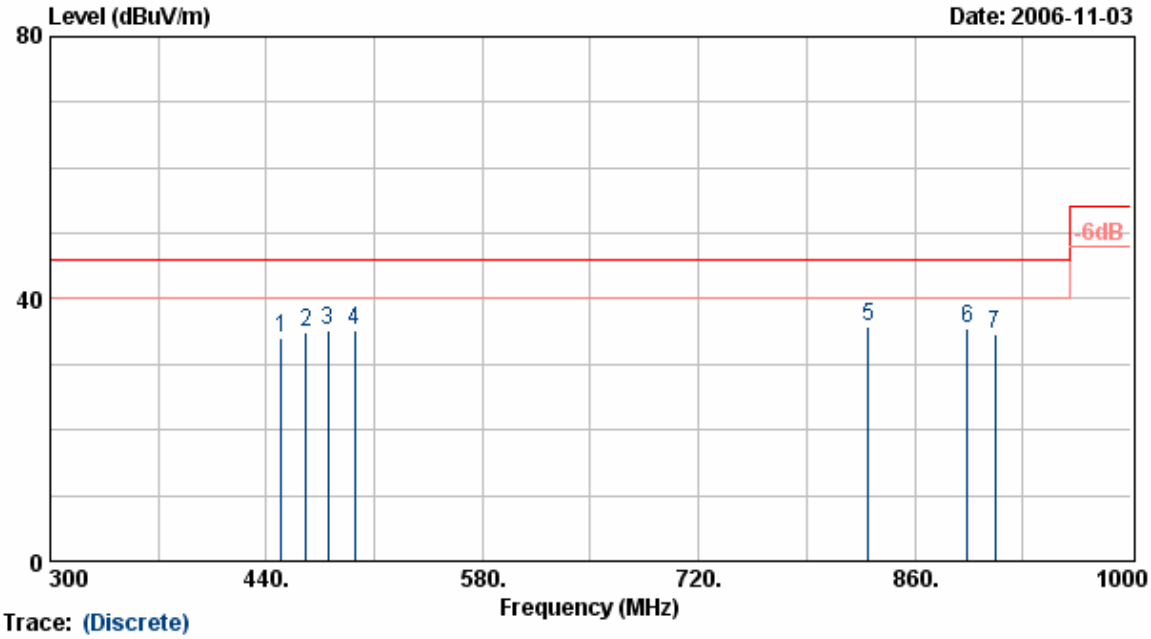
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	44.30	50.92	-21.20	29.72	40.00	-10.28	Peak	100	145
2	81.43	44.46	-25.60	18.86	40.00	-21.14	Peak	100	168
3	102.05	45.73	-25.90	19.83	43.50	-23.67	Peak	100	154
4	121.30	50.61	-24.80	25.81	43.50	-17.69	Peak	100	221
5	143.85	42.88	-22.10	20.78	43.50	-22.72	Peak	100	169
6	178.23	44.18	-23.40	20.78	43.50	-22.72	Peak	100	174
7	203.80	44.68	-23.23	21.46	43.50	-22.04	Peak	100	134

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.

EUT	: GKM888T	Pol/Phase	: VERTICAL
Power	: DC 3V	Temperature	: 25 ℃
Test Mode	: TX	Humidity	: 68 %
Operation Axial	: Y	Atmospheric Pressure	: 1010 hPa
Memo	:		



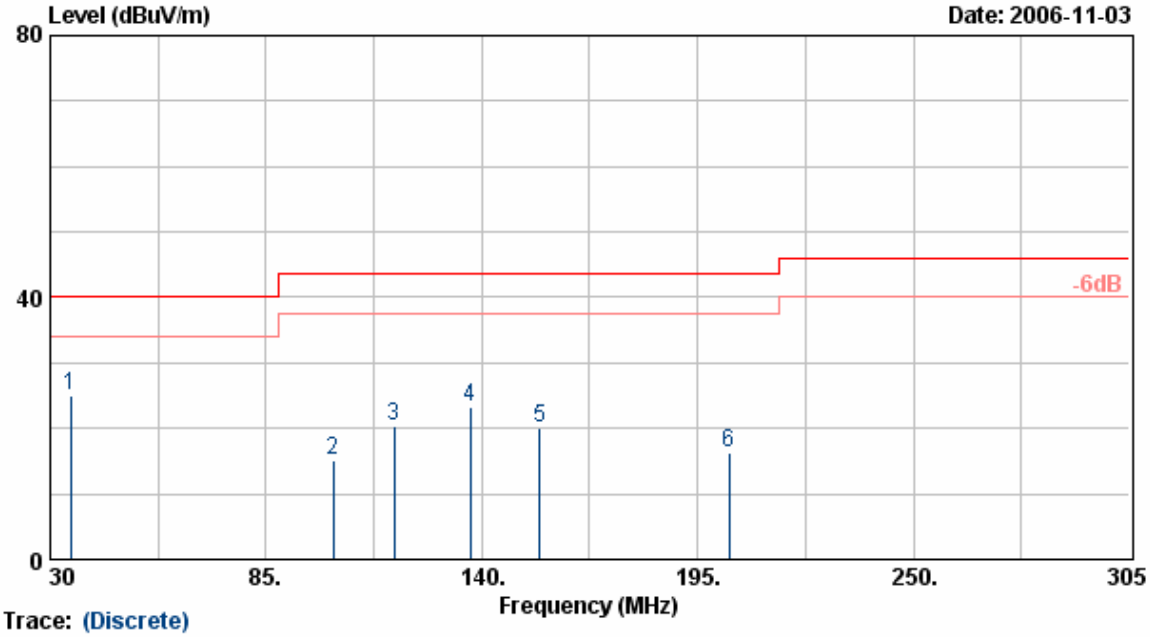
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	449.80	54.61	-20.55	34.06	46.00	-11.94	Peak	100	163
2	465.90	51.55	-16.76	34.79	46.00	-11.21	Peak	100	245
3	479.90	51.50	-16.37	35.13	46.00	-10.87	Peak	100	163
4	497.40	50.52	-15.43	35.09	46.00	-10.91	Peak	100	277
5	829.90	49.12	-13.30	35.82	46.00	-10.18	Peak	100	234
6	894.30	47.71	-12.18	35.53	46.00	-10.47	Peak	100	217
7	911.80	41.99	-7.40	34.59	46.00	-11.41	Peak	100	216

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.

EUT	: GKM888T		
Power	: DC 3V	Pol/Phase	: HORIZONTAL
Test Mode	: TX	Temperature	: 25 ℃
Operation Axial	: Z	Humidity	: 68 %
Memo	:	Atmospheric Pressure	: 1010 hPa



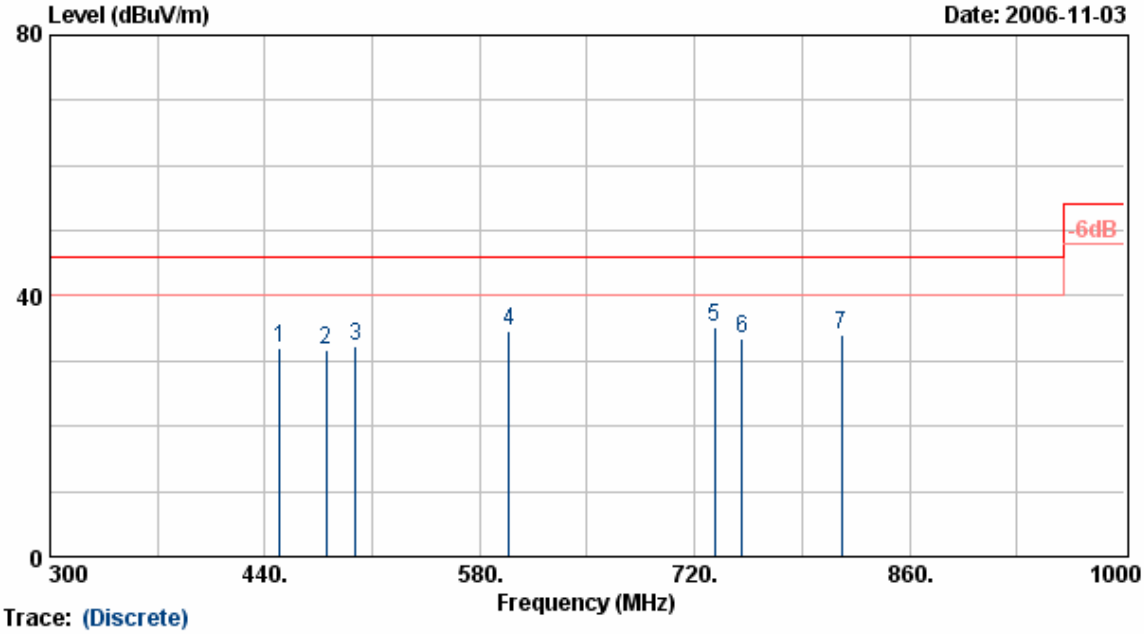
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	35.23	43.19	-18.06	25.13	40.00	-14.87	Peak	100	166
2	102.05	48.16	-32.92	15.24	43.50	-28.26	Peak	100	242
3	117.73	52.73	-32.48	20.26	43.50	-23.24	Peak	100	223
4	136.98	51.91	-28.72	23.18	43.50	-20.32	Peak	100	200
5	154.85	49.18	-29.13	20.04	43.50	-23.46	Peak	100	196
6	202.98	45.99	-29.65	16.34	43.50	-27.16	Peak	100	233

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.

EUT	: GKM888T		
Power	: DC 3V	Pol/Phase	: HORIZONTAL
Test Mode	: TX	Temperature	: 25 ℃
Operation Axial	: Z	Humidity	: 68 %
Memo	:	Atmospheric Pressure	: 1010 hPa



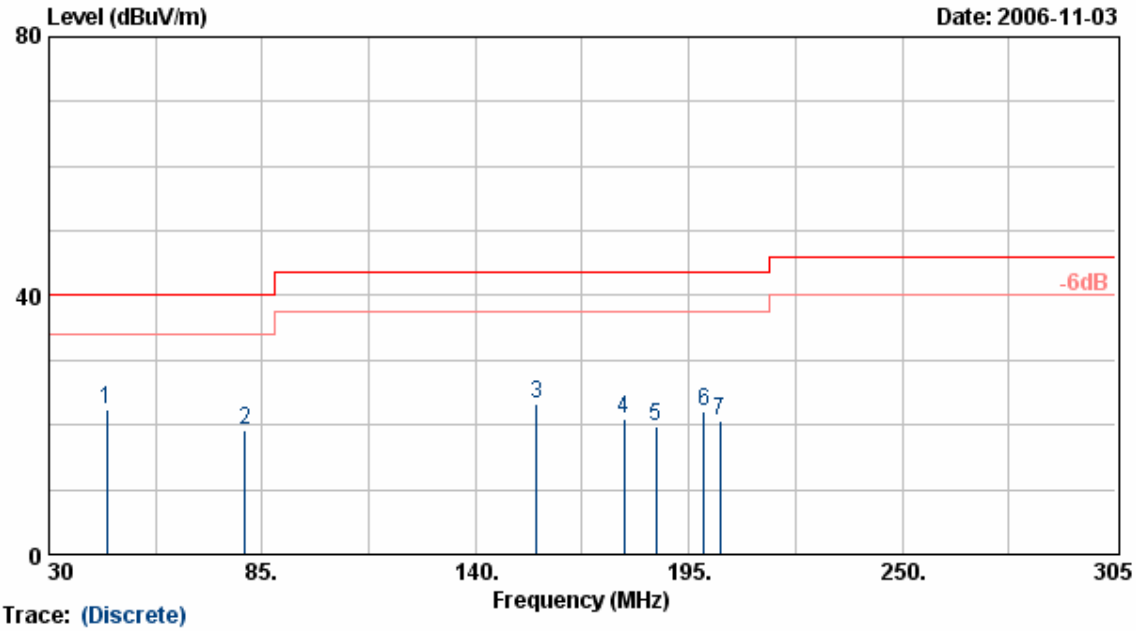
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	449.80	51.95	-19.95	31.99	46.00	-14.01	Peak	100	239
2	479.90	51.06	-19.29	31.77	46.00	-14.23	Peak	100	224
3	498.80	49.30	-16.95	32.35	46.00	-13.65	Peak	100	211
4	598.90	48.17	-13.48	34.69	46.00	-11.31	Peak	100	237
5	733.30	51.90	-16.57	35.33	46.00	-10.67	Peak	100	198
6	750.80	48.11	-14.70	33.41	46.00	-12.59	Peak	100	171
7	815.90	47.51	-13.38	34.13	46.00	-11.87	Peak	100	136

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.

EUT	: GKM888T		
Power	: DC 3V	Pol/Phase	: VERTICAL
Test Mode	: TX	Temperature	: 25 ℃
Operation Axial	: Z	Humidity	: 68 %
Memo	:	Atmospheric Pressure	: 1010 hPa



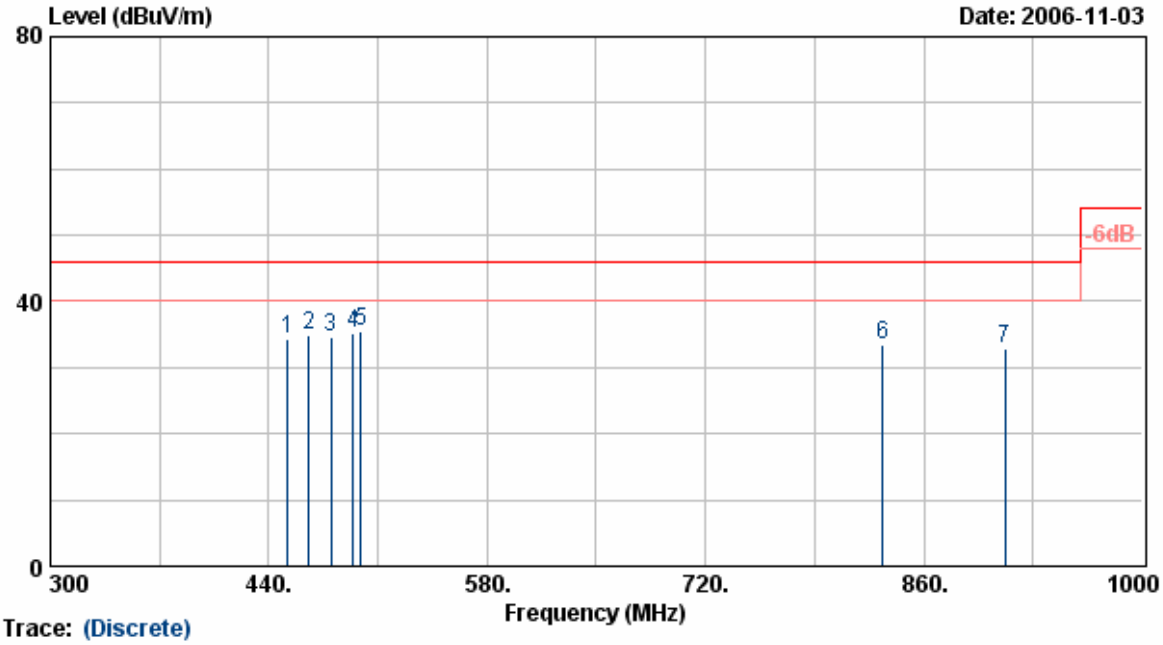
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	44.85	43.69	-21.28	22.41	40.00	-17.59	Peak	100	146
2	80.60	44.51	-25.30	19.21	40.00	-20.79	Peak	100	213
3	155.68	45.67	-22.41	23.27	43.50	-20.23	Peak	100	155
4	178.23	44.31	-23.40	20.91	43.50	-22.59	Peak	100	188
5	186.48	44.21	-24.40	19.81	43.50	-23.69	Peak	100	189
6	198.85	45.35	-23.34	22.01	43.50	-21.49	Peak	100	211
7	202.98	43.75	-23.23	20.51	43.50	-22.99	Peak	100	111

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.

EUT	: GKM888T		
Power	: DC 3V	Pol/Phase	: VERTICAL
Test Mode	: TX	Temperature	: 25 ℃
Operation Axial	: Z	Humidity	: 68 %
Memo	:	Atmospheric Pressure	: 1010 hPa



Trace: (Discrete)

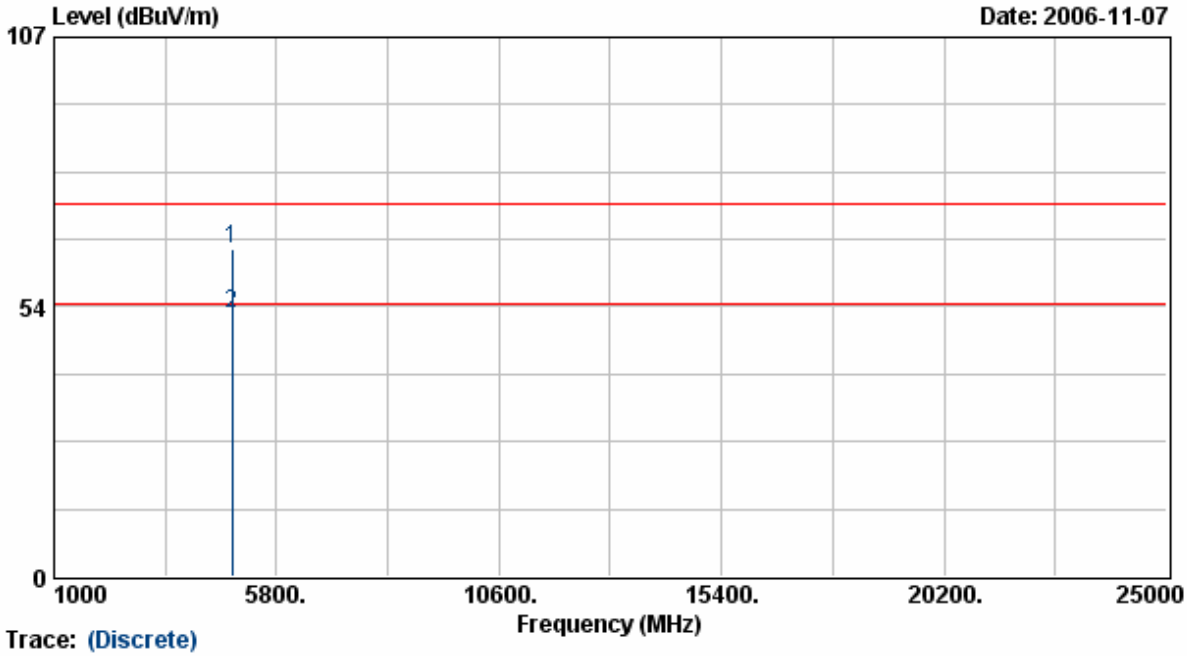
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	451.90	54.31	-19.94	34.37	46.00	-11.63	Peak	100	244
2	465.90	51.64	-16.76	34.88	46.00	-11.12	Peak	100	211
3	479.90	50.97	-16.37	34.60	46.00	-11.40	Peak	100	198
4	493.90	51.24	-16.00	35.24	46.00	-10.76	Peak	100	196
5	498.80	50.56	-15.18	35.38	46.00	-10.62	Peak	100	200
6	833.40	46.31	-12.91	33.40	46.00	-12.60	Peak	100	217
7	911.80	40.37	-7.40	32.97	46.00	-13.03	Peak	100	203

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.

Above 1GHz:

EUT	: GKM888T		
Power	: DC 3V	Pol/Phase	: HORIZONTAL
Test Mode	: TX	Temperature	: 25 ℃
Operation Axial	: CH1-X	Humidity	: 68 %
Memo	:	Atmospheric Pressure	: 1010 hPa



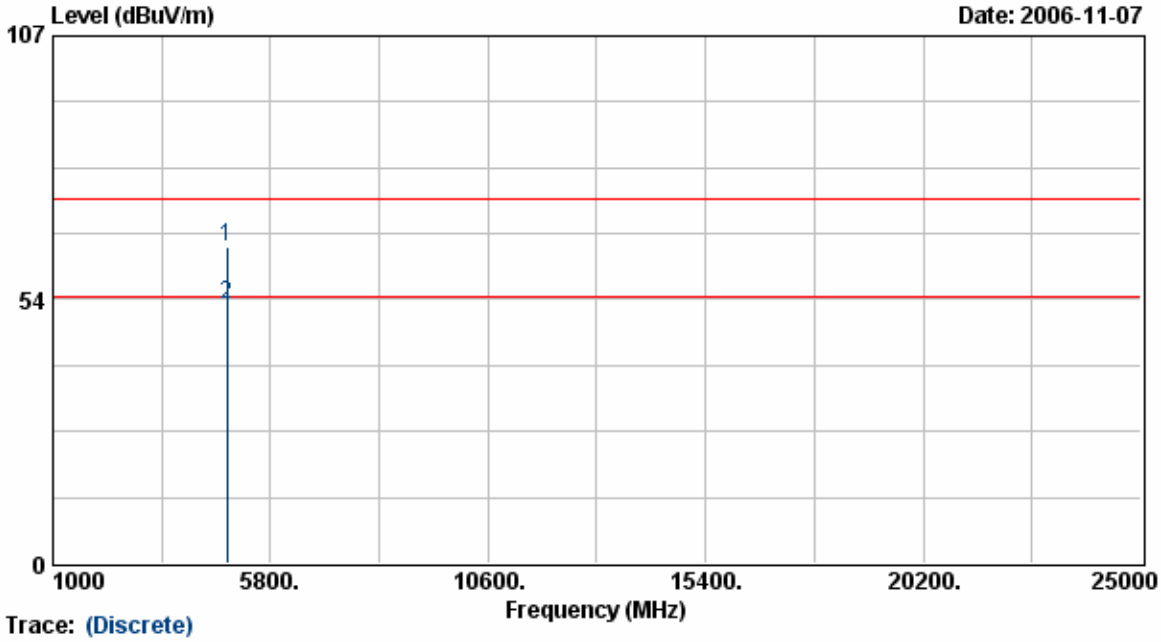
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4845.93	56.42	8.60	65.02	74.00	-8.98	Peak	100	140
2	4845.93	43.36	8.60	51.96	54.00	-2.04	Average	100	140

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.

EUT	: GKM888T		
Power	: DC 3V	Pol/Phase	: VERTICAL
Test Mode	: TX	Temperature	: 25 ℃
Operation Axial	: CH1-X	Humidity	: 68 %
Memo	:	Atmospheric Pressure	: 1010 hPa



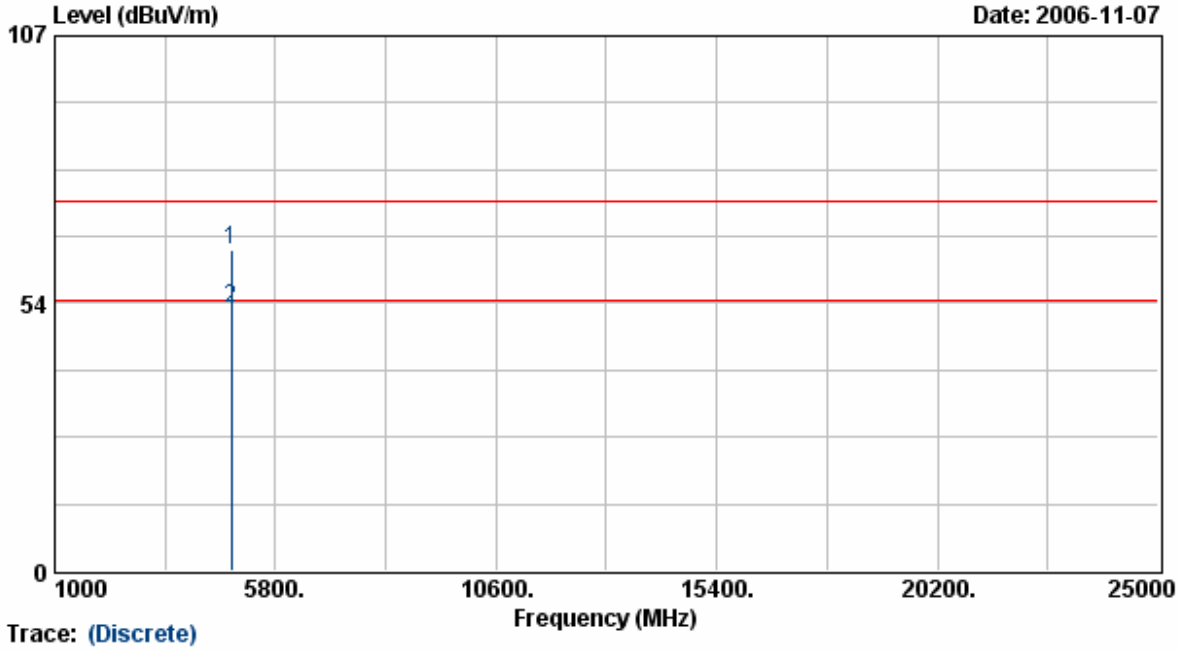
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4845.93	55.69	8.60	64.29	74.00	-9.71	Peak	100	255
2	4845.93	43.84	8.60	52.44	54.00	-1.56	Average	100	255

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.

EUT	: GKM888T		
Power	: DC 3V	Pol/Phase	: HORIZONTAL
Test Mode	: TX	Temperature	: 25 ℃
Operation Axial	: CH1-Y	Humidity	: 68 %
Memo	:	Atmospheric Pressure	: 1010 hPa



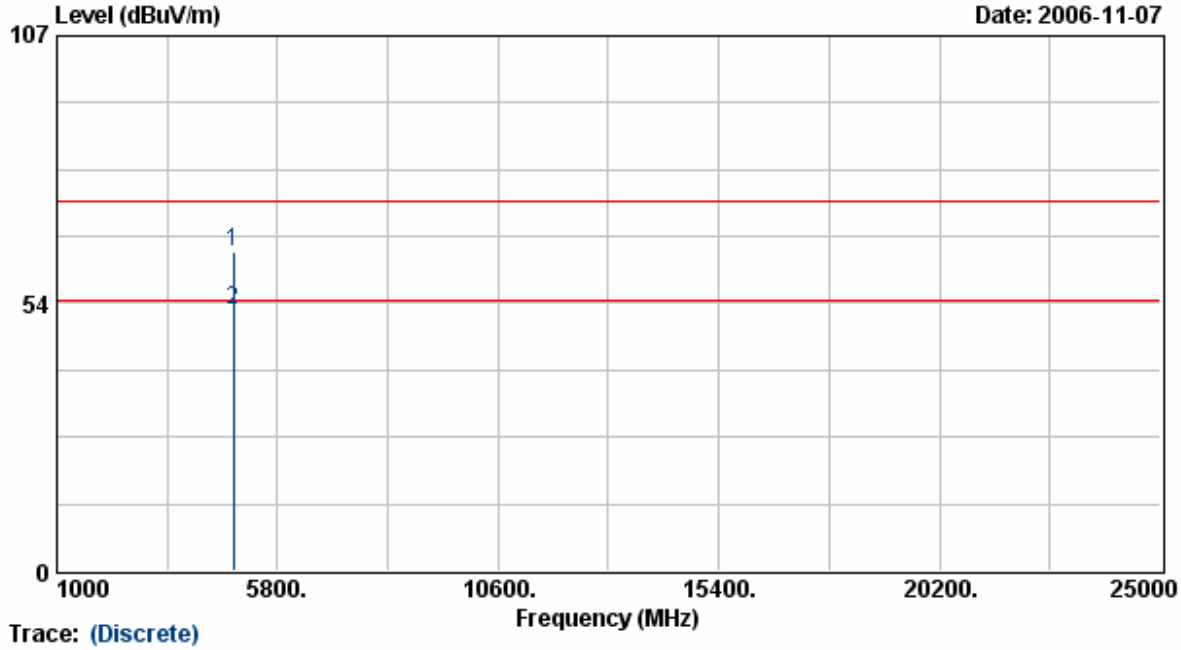
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4845.93	55.43	8.60	64.03	74.00	-9.97	Peak	100	145
2	4845.93	43.91	8.60	52.51	54.00	-1.49	Average	100	145

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.

EUT	: GKM888T		
Power	: DC 3V	Pol/Phase	: VERTICAL
Test Mode	: TX	Temperature	: 25 ℃
Operation Axial	: CH1-Y	Humidity	: 68 %
Memo	:	Atmospheric Pressure	: 1010 hPa



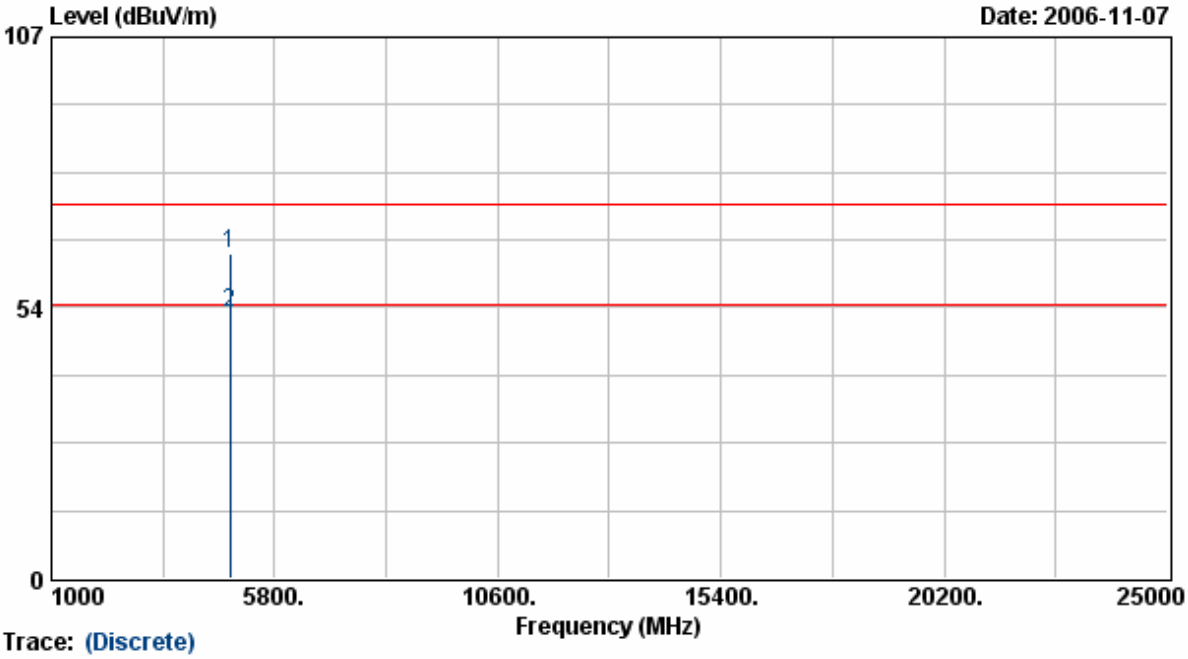
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4845.95	55.25	8.60	63.85	74.00	-10.15	Peak	100	247
2	4845.95	43.45	8.60	52.05	54.00	-1.95	Average	100	247

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.

EUT	: GKM888T		
Power	: DC 3V	Pol/Phase	: HORIZONTAL
Test Mode	: TX	Temperature	: 25 ℃
Operation Axial	: CH1-Z	Humidity	: 68 %
Memo	:	Atmospheric Pressure	: 1010 hPa



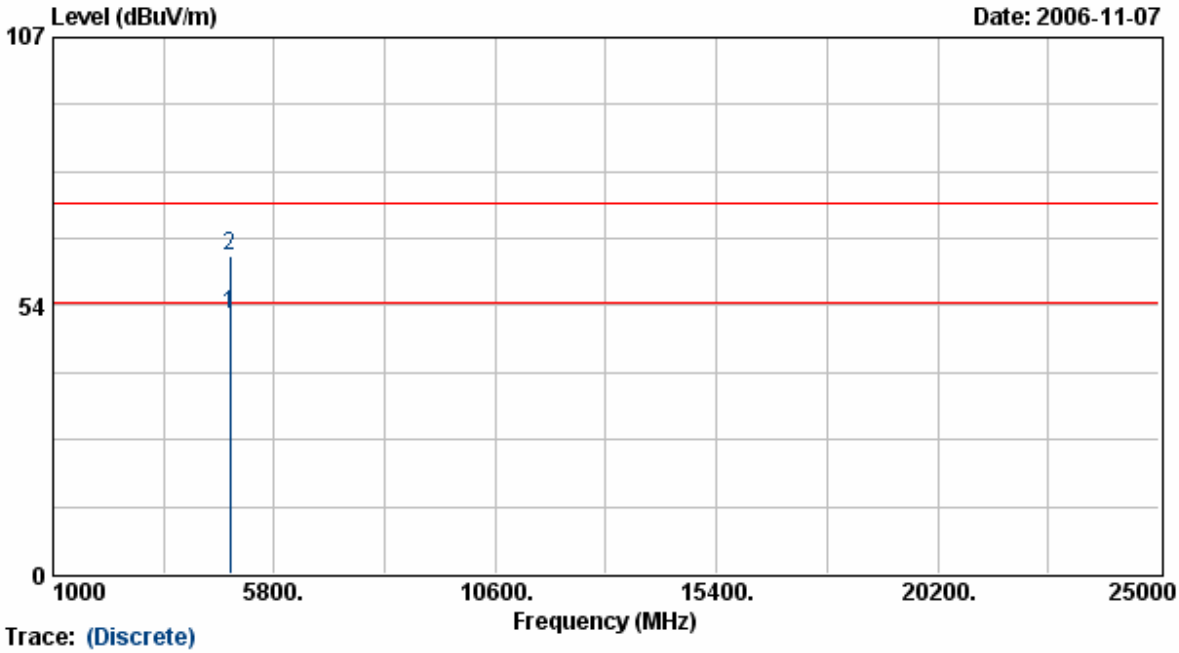
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4845.93	55.57	8.60	64.18	74.00	-9.82	Peak	100	145
2	4845.93	44.05	8.60	52.65	54.00	-1.35	Average	100	145

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.

EUT	: GKM888T		
Power	: DC 3V	Pol/Phase	: VERTICAL
Test Mode	: TX	Temperature	: 25 ℃
Operation Axial	: CH1-Z	Humidity	: 68 %
Memo	:	Atmospheric Pressure	: 1010 hPa



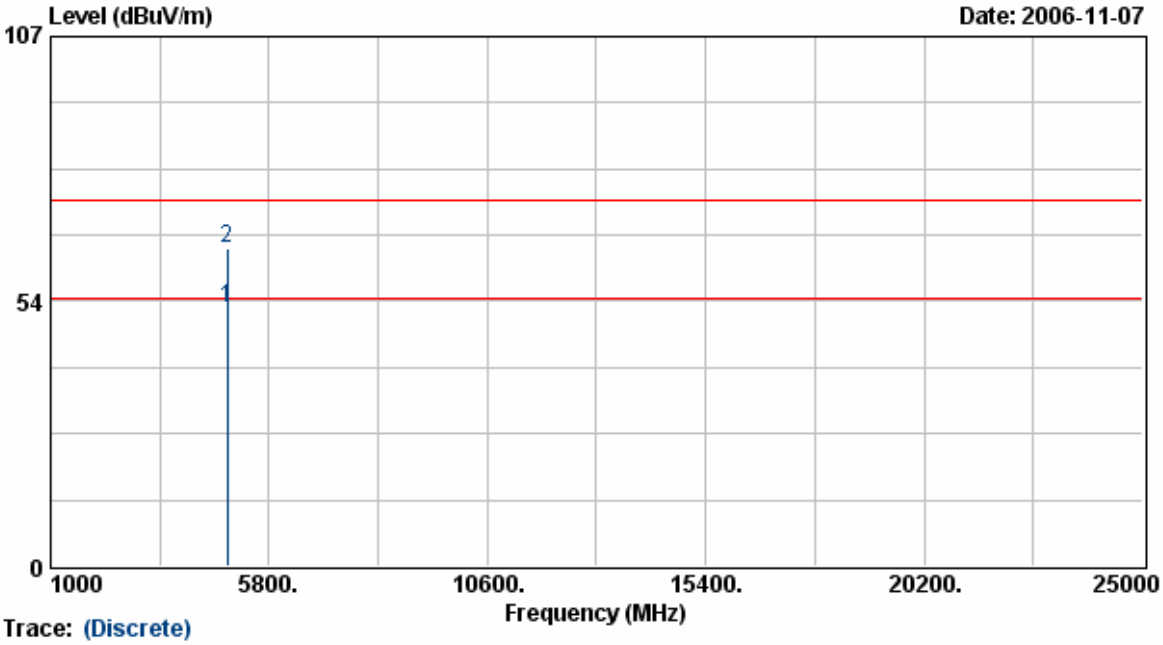
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4845.93	43.31	8.60	51.91	54.00	-2.09	Average	100	10
2	4845.93	54.97	8.60	63.57	74.00	-10.43	Peak	100	10

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.

EUT	: GKM888T		
Power	: DC 3V	Pol/Phase	: HORIZONTAL
Test Mode	: TX	Temperature	: 25 ℃
Operation Axial	: CH4-X	Humidity	: 68 %
Memo	:	Atmospheric Pressure	: 1010 hPa



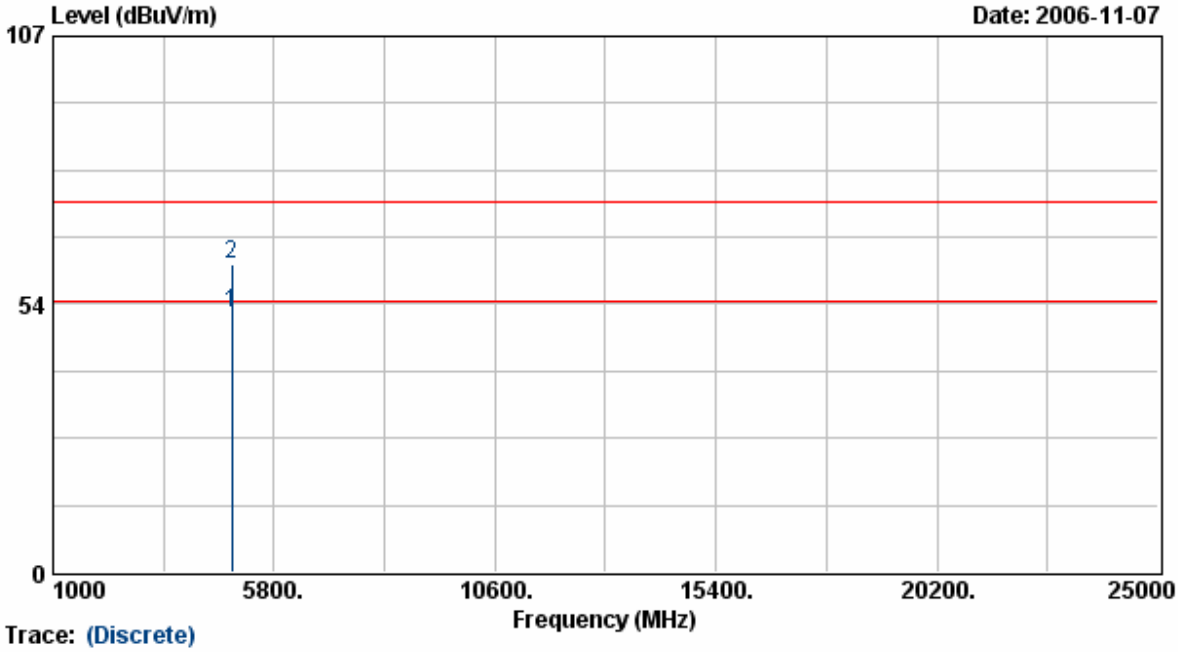
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4894.00	43.51	8.74	52.25	54.00	-1.75	Average	100	140
2	4894.00	55.30	8.74	64.03	74.00	-9.97	Peak	100	140

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.

EUT	: GKM888T		
Power	: DC 3V	Pol/Phase	: VERTICAL
Test Mode	: TX	Temperature	: 25 ℃
Operation Axial	: CH4-X	Humidity	: 68 %
Memo	:	Atmospheric Pressure	: 1010 hPa



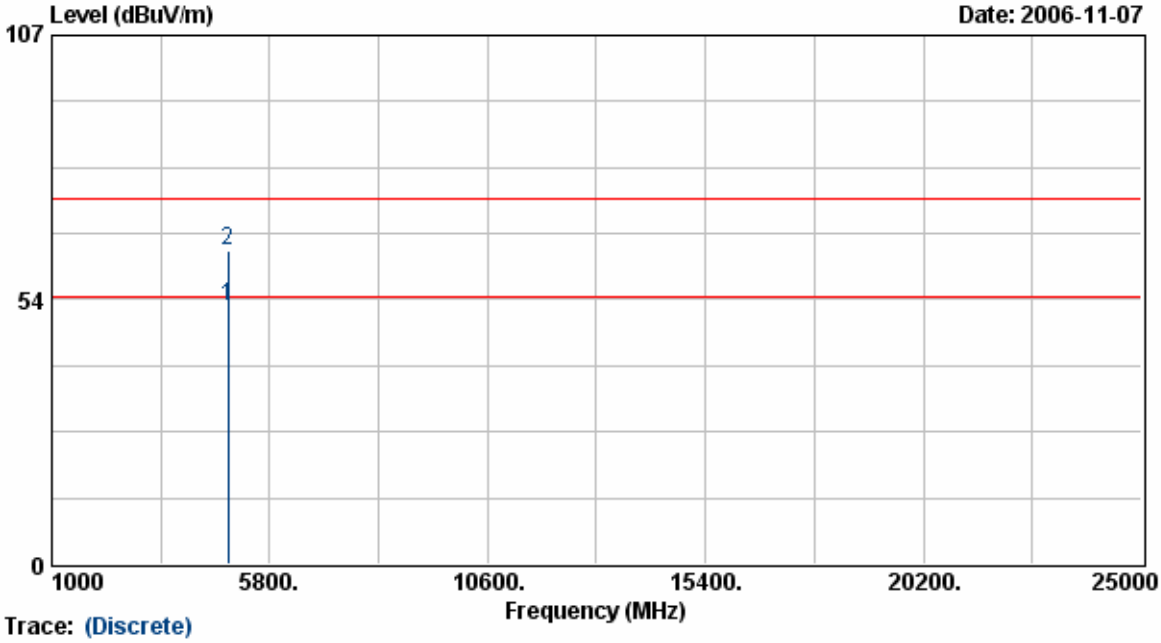
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4893.95	43.20	8.74	51.94	54.00	-2.06	Average	100	255
2	4893.95	52.76	8.74	61.50	74.00	-12.50	Peak	100	255

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.

EUT	: GKM888T		
Power	: DC 3V	Pol/Phase	: HORIZONTAL
Test Mode	: TX	Temperature	: 25 ℃
Operation Axial	: CH4-Y	Humidity	: 68 %
Memo	:	Atmospheric Pressure	: 1010 hPa

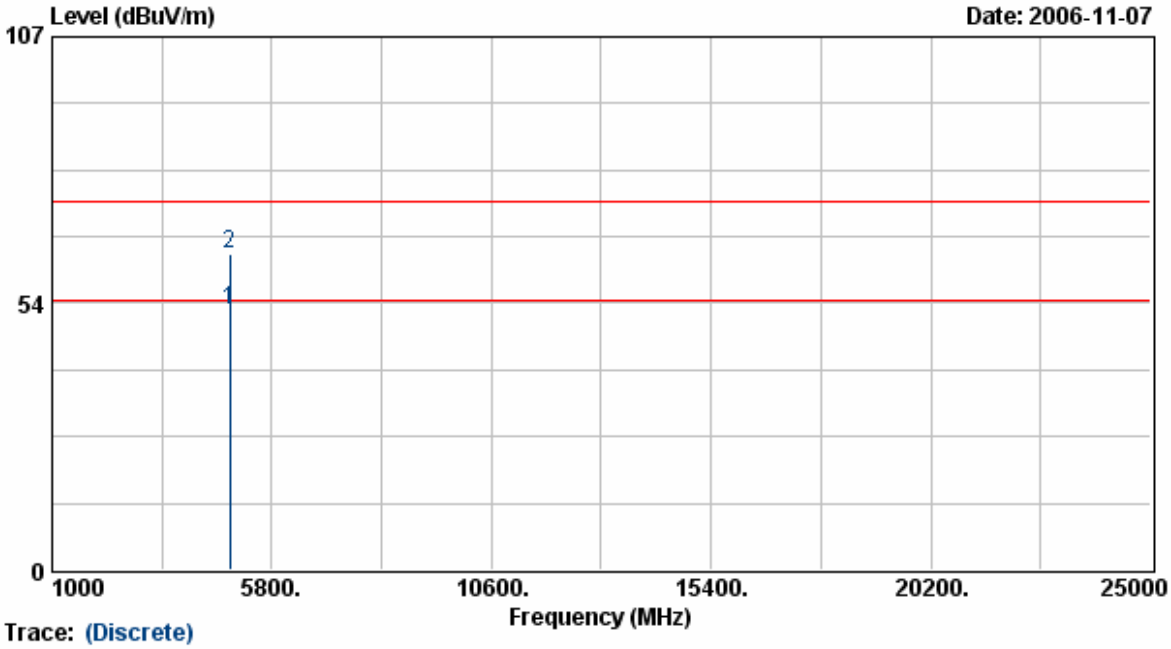


Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4894.00	43.26	8.74	52.00	54.00	-2.00	Average	100	143
2	4894.00	54.60	8.74	63.34	74.00	-10.66	Peak	100	143

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.

EUT	: GKM888T		
Power	: DC 3V	Pol/Phase	: VERTICAL
Test Mode	: TX	Temperature	: 25 ℃
Operation Axial	: CH4-Y	Humidity	: 68 %
Memo	:	Atmospheric Pressure	: 1010 hPa



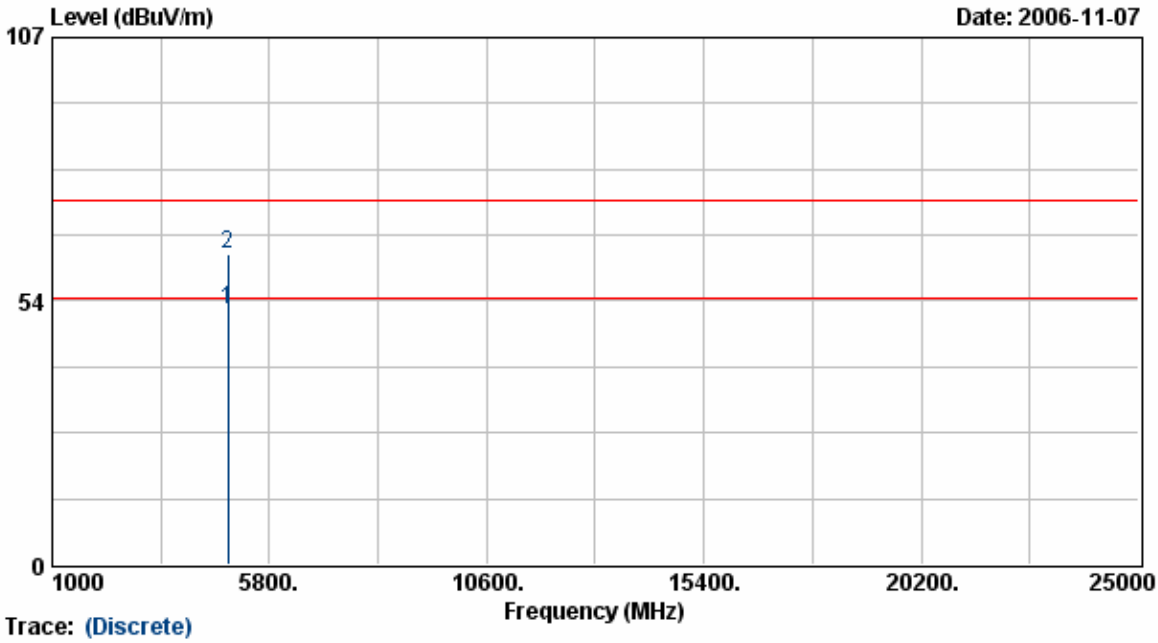
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4893.93	43.27	8.74	52.01	54.00	-1.99	Average	100	244
2	4893.93	54.73	8.74	63.47	74.00	-10.53	Peak	100	244

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.

EUT	: GKM888T		
Power	: DC 3V	Pol/Phase	: HORIZONTAL
Test Mode	: TX	Temperature	: 25 ℃
Operation Axial	: CH4-Z	Humidity	: 68 %
Memo	:	Atmospheric Pressure	: 1010 hPa

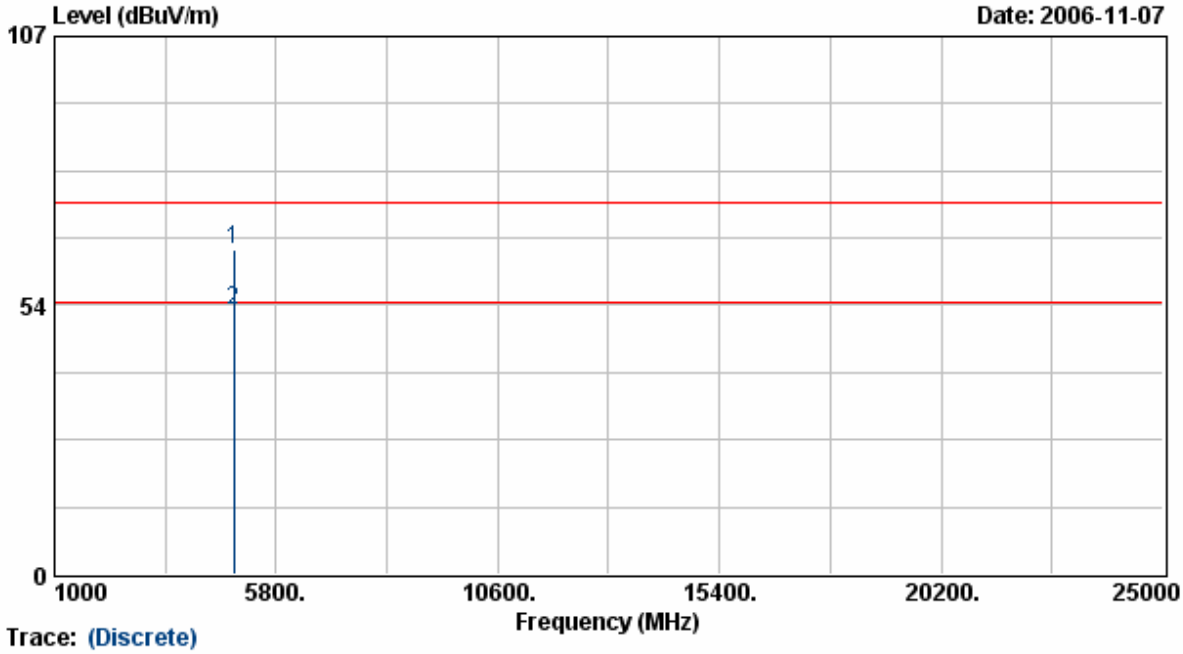


Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4893.93	42.99	8.74	51.72	54.00	-2.28	Average	100	143
2	4893.93	54.30	8.74	63.03	74.00	-10.97	Peak	100	143

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.

EUT	: GKM888T		
Power	: DC 3V	Pol/Phase	: VERTICAL
Test Mode	: TX	Temperature	: 25 ℃
Operation Axial	: CH4-Z	Humidity	: 68 %
Memo	:	Atmospheric Pressure	: 1010 hPa



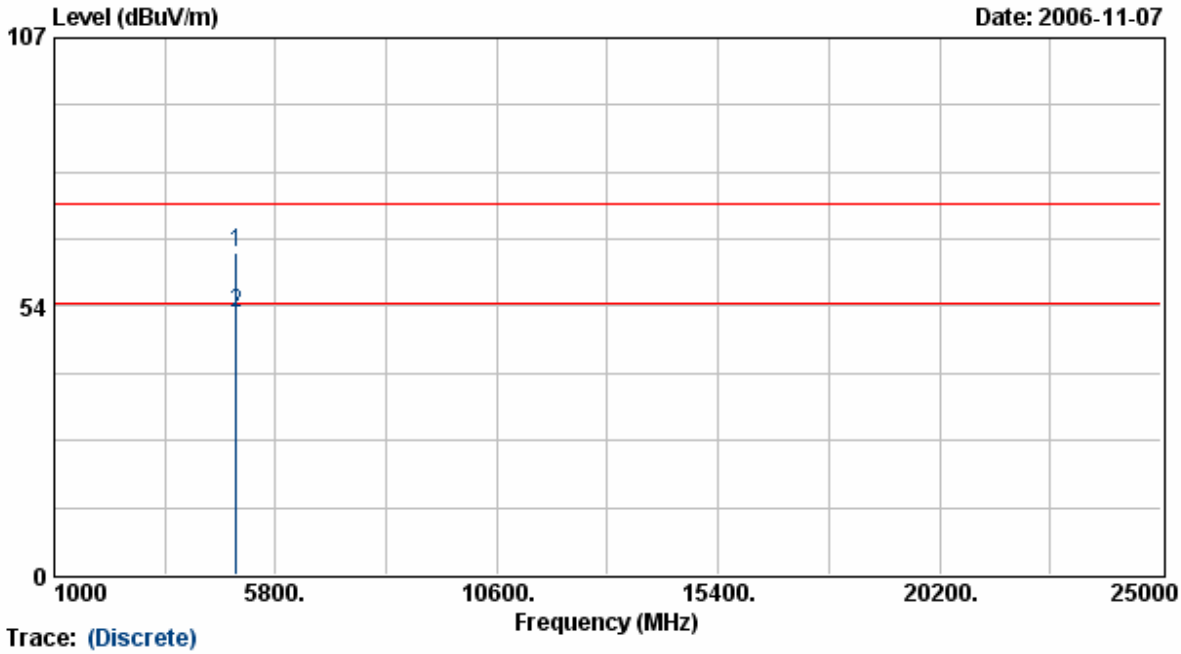
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4893.93	55.68	8.74	64.42	74.00	-9.58	Peak	100	17
2	4893.93	43.78	8.74	52.52	54.00	-1.48	Average	100	17

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.

EUT	: GKM888T		
Power	: DC 3V	Pol/Phase	: HORIZONTAL
Test Mode	: TX	Temperature	: 25 ℃
Operation Axial	: CH8-X	Humidity	: 68 %
Memo	:	Atmospheric Pressure	: 1010 hPa



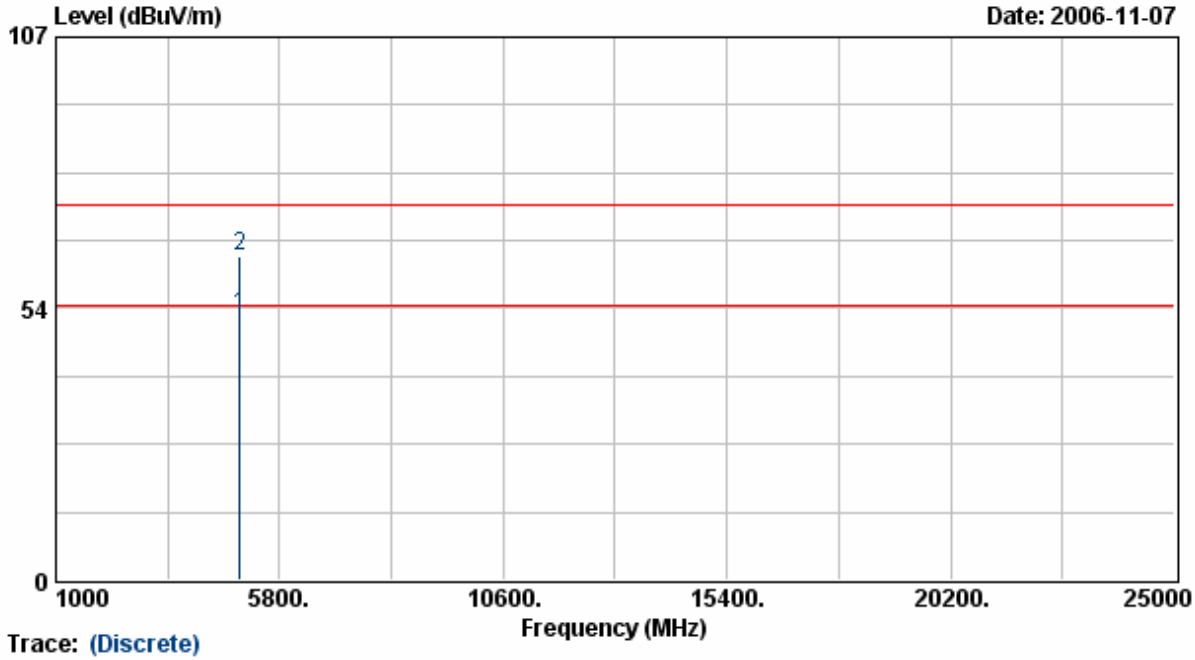
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4953.93	55.15	8.91	64.06	74.00	-9.94	Peak	100	140
2	4953.93	43.36	8.91	52.27	54.00	-1.73	Average	100	140

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.

EUT	: GKM888T		
Power	: DC 3V	Pol/Phase	: VERTICAL
Test Mode	: TX	Temperature	: 25 ℃
Operation Axial	: CH8-X	Humidity	: 68 %
Memo	:	Atmospheric Pressure	: 1010 hPa



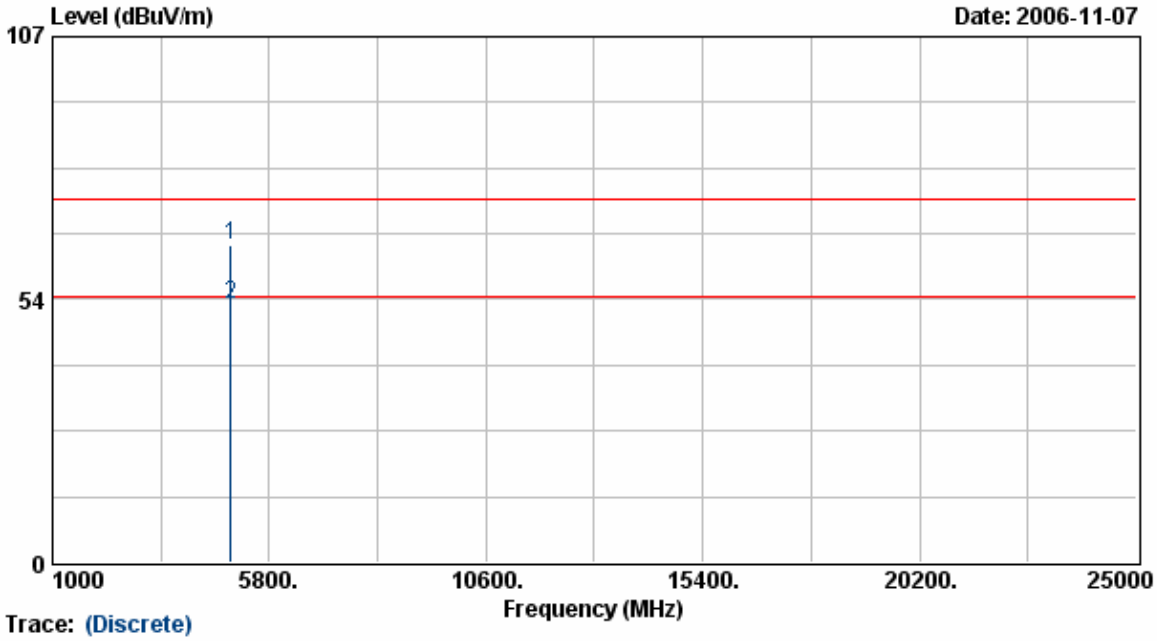
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4953.95	43.32	8.91	52.23	54.00	-1.77	Average	100	255
2	4953.95	55.03	8.91	63.94	74.00	-10.06	Peak	100	255

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.

EUT	: GKM888T		
Power	: DC 3V	Pol/Phase	: HORIZONTAL
Test Mode	: TX	Temperature	: 25 ℃
Operation Axial	: CH8-Y	Humidity	: 68 %
Memo	:	Atmospheric Pressure	: 1010 hPa

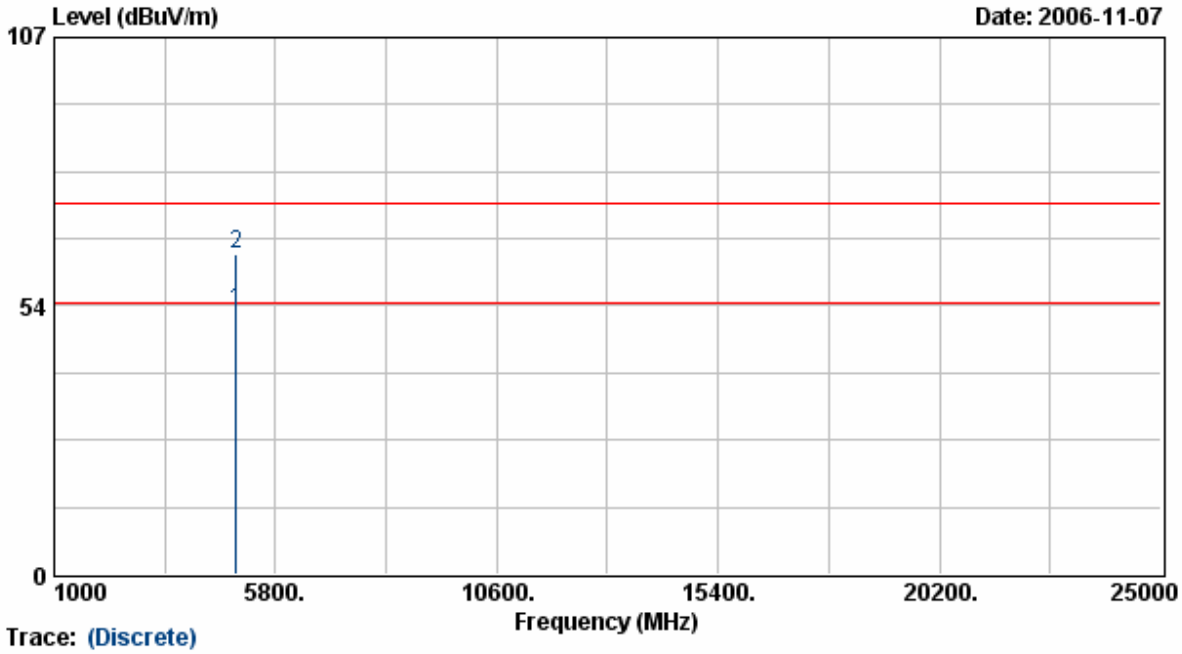


Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4953.93	55.54	8.91	64.45	74.00	-9.55	Peak	100	143
2	4953.93	43.62	8.91	52.53	54.00	-1.47	Average	100	143

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.

EUT	: GKM888T		
Power	: DC 3V	Pol/Phase	: VERTICAL
Test Mode	: TX	Temperature	: 25 ℃
Operation Axial	: CH8-Y	Humidity	: 68 %
Memo	:	Atmospheric Pressure	: 1010 hPa



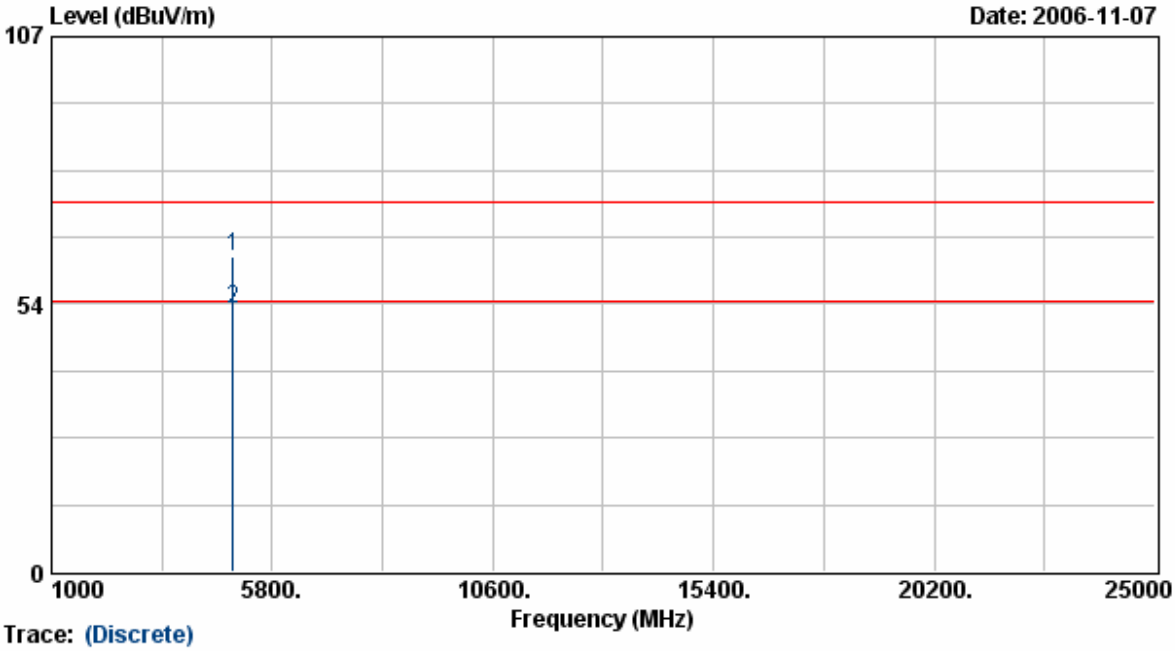
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4953.95	43.63	8.91	52.54	54.00	-1.46	Average	100	244
2	4953.95	54.93	8.91	63.84	74.00	-10.16	Peak	100	244

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.

EUT	: GKM888T		
Power	: DC 3V	Pol/Phase	: HORIZONTAL
Test Mode	: TX	Temperature	: 25 ℃
Operation Axial	: CH8-Z	Humidity	: 68 %
Memo	:	Atmospheric Pressure	: 1010 hPa



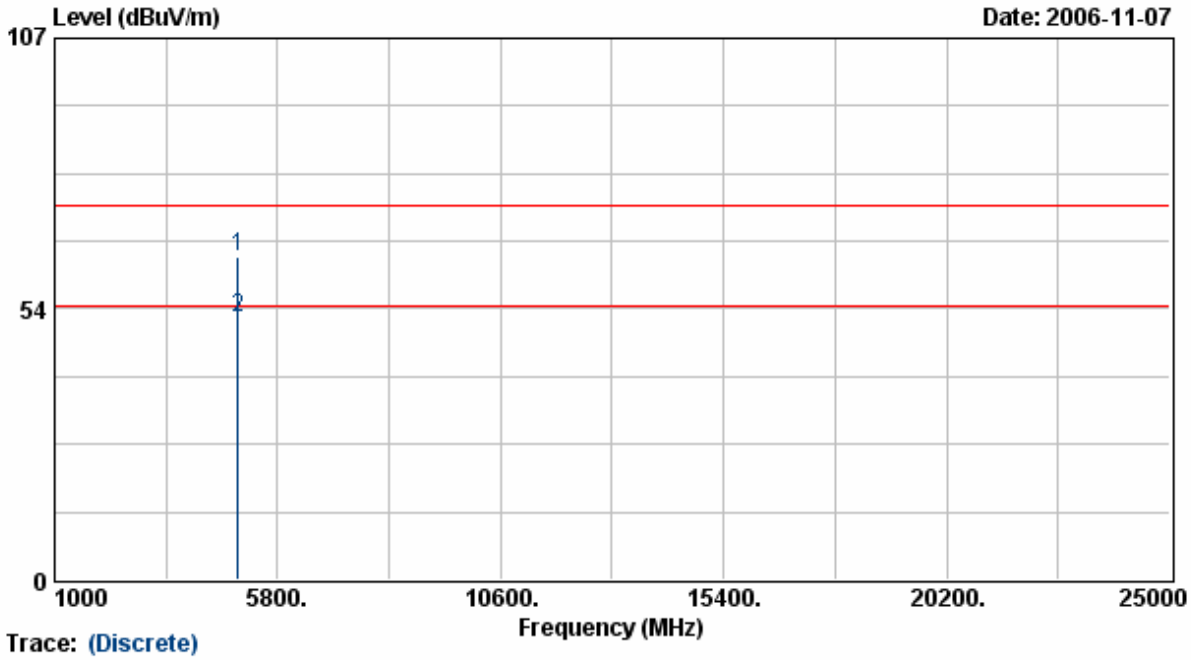
Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4953.90	54.17	8.91	63.08	74.00	-10.92	Peak	100	143
2	4953.93	43.78	8.91	52.69	54.00	-1.31	Average	100	143

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.

EUT	: GKM888T		
Power	: DC 3V	Pol/Phase	: VERTICAL
Test Mode	: TX	Temperature	: 25 ℃
Operation Axial	: CH8-Z	Humidity	: 68 %
Memo	:	Atmospheric Pressure	: 1010 hPa



Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4953.93	54.80	8.91	63.71	74.00	-10.29	Peak	100	0
2	4953.93	42.90	8.91	51.81	54.00	-2.19	Average	100	0

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.

Test engineer: Ben

6. Restricted Bands of Operation

Only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.09000 – 0.11000	16.42000 – 16.42300	399.9 – 410.0	4.500 – 5.250
0.49500 – 0.505**	16.69475 – 16.69525	608.0 – 614.0	5.350 – 5.460
2.17350 – 2.19050	16.80425 – 16.80475	960.0 – 1240.0	7.250 – 7.750
4.12500 – 4.12800	25.50000 – 25.67000	1300.0 – 1427.0	8.025 – 8.500
4.17725 – 4.17775	37.50000 – 38.25000	1435.0 – 1626.5	9.000 – 9.200
4.20725 – 4.20775	73.00000 – 74.60000	1645.5 – 1646.5	9.300 – 9.500
6.21500 – 6.21800	74.80000 – 75.20000	1660.0 – 1710.0	10.600 – 12.700
6.26775 – 6.26825	108.00000 – 121.94000	1718.8 – 1722.2	13.250 – 13.400
6.31175 – 6.31225	123.00000 – 138.00000	2200.0 – 2300.0	14.470 – 14.500
8.29100 – 8.29400	149.90000 – 150.05000	2310.0 – 2390.0	15.350 – 16.200
8.36200 – 8.36600	156.52475 – 156.52525	2483.5 – 2500.0	17.700 – 21.400
8.37625 – 8.38675	156.70000 – 156.90000	2655.0 – 2900.0	22.010 – 23.120
8.41425 – 8.41475	162.01250 – 167.17000	3260.0 – 3267.0	23.600 – 24.000
12.29000 – 12.29300	167.72000 – 173.20000	3332.0 – 3339.0	31.200 – 31.800
12.51975 – 12.52025	240.00000 – 285.00000	3345.8 – 3358.0	36.430 – 36.500
12.57675 – 12.57725	322.00000 – 335.40000	3600.0 – 4400.0	Above 38.6
13.36000 – 13.41000			

**: Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz

6.1 Labeling Requirement

The device shall bear the following statement in a conspicuous location on the device:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.